



ILLINOIS

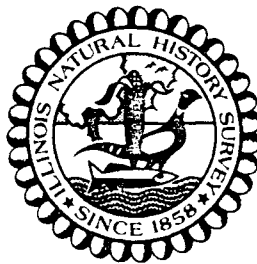
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

PRODUCTION NOTE

University of Illinois at
Urbana-Champaign Library
Large-scale Digitization Project, 2007.

INHS
SWR
W-87-R-7
September 1986

ILLINOIS NATURAL HISTORY SURVEY



Section of Wildlife Research

Performance Report

Annual Job Progress Report

Illinois Forest Game Investigations

W-87-R-7

1 July 1985 through 30 June 1986

by

Charles M. Nixon and Lonnie P. Hansen

25 September 1986

Performance Report
Annual Job Progress Report

Report State: Illinois

Project number: W-87-R-7

Project Type: Research Sub-project V11: Illinois Deer Investigations

Period Covered: 1 July 1985 through 30 June 1986

This performance report covers the jobs active under the R-7 segment and represents a completion report for Studies V11-A (Landscape Heterogeneity and Deer Abundance) and V11-B (Population Dynamics of the Illinois Deer Herd) and a report of progress for Study V11-C (Life History and Ecology of Farmland Deer), which will be completed during the R-8 segment.

These studies should be collectively considered as the beginnings of a holistic approach to understanding deer ecology and management in the intensive disturbed landscapes that characterize present day Illinois. Deer managers must consider (1) basic deer biology and needs, (2) hunter desires, and (3) landowner concerns in designing harvesting programs at the county level. To do so, they need information concerning key features of the available habitat, current estimates of deer numbers (or at least valid trends), and knowledge of the important parameters of life history (birth and mortality rates, dispersal and movement patterns, and recruitment) that dictate local, regional and statewide trends in deer numbers. These reports and others to follow will attempt to integrate such information

Into a comprehensive program of management that will guide managers in designing harvest and habitat enhancing programs and policies that we hope will allow a reasonable compromise between the often conflicting needs of deer and the desires of hunters and landowners.

Study V11-A; Title: Landscape Heterogeneity and Deer Abundance.

White-tailed deer now range over or have access to all the suitable habitats available in Illinois, from the cypress swamps of the extreme south to the urban forest preserves of Cook County. In 1986, the pre-hunt fall herd is estimated to be about 130,000 deer in the 98 counties open to hunting (this report).

On the basis of our observations of marked deer in central Illinois over the past 5 years and from published data regarding life history and ecology of deer in the Midwest agricultural area (Murphy 1970, Sparrowe and Springer 1970, Zagata 1972, Zwanke 1974, Gladfelter 1978), there is no evidence that deer abundance is constrained by a lack of food or shelter after leaf out and corn (Zea mays) and soybean (Glycine max) fields dominate the landscape. Deer distribution in summer is not uniform throughout the state, however, because deer need some permanent cover within their range (swamps, permanent grasslands, woodlots etc.) and habitat is not uniformly available. Selection of habitats by deer also may be affected by social pressures, or different sex and age related habitat preferences, particularly in summer (adult and yearling males often separate spatially from females). We will analyze and discuss in detail factors affecting deer habitat use in spring, summer, and fall in the Final Report for Study V11-C (Life History and Ecology of Farmland Deer), which will be prepared during the R-8 segment.

The present report will consider only the characteristics of habitats used by deer in winter in central and northern Illinois. Deer are adapted to the dispersed nature of woodland cover in a landscape today dominated by agriculture and urban development. They occupy distinct winter and summer ranges, often many miles apart (Zagata 1972, Zwank 1974, Gladfelter 1978). Seasonal movements have been evident in Illinois since the 1940s (Pietsch 1954) and no doubt reflect a basic behavior of the species.

We have confined this analysis to deer habitat in central and northern Illinois because of the limited availability of winter habitat for deer in those regions compared with that in southern and southwestern Illinois. Forest cover totals <15% of the landscape in this region. It is confined largely to areas too wet or otherwise not suited to growing row crops. Much of the forest cover exists as relatively narrow linear strands of hardwoods along creeks and rivers offering deer little or no cover following leaf fall and crop harvesting. In such landscapes, deer are forced to seek the often widely scattered remnant forests that still offer protection relatively free from harassment and provide sufficient food and cover to allow deer to concentrate in sizeable numbers with normal or high rates of survival in winter.

In contrast, deer in southern, western, and southwestern Illinois have access to considerably more forest cover, ranging up to 60% of the landscape. Winter weather is less severe and a rougher topography provides deer acceptable winter ranges on or near their summer-fall ranges.

There is as yet no evidence of large scale seasonal movements of deer in the southern counties. Hawkins et al. (1971) concluded, after observing seasonal movements and habitat utilization of several hundred marked deer on the Crab Orchard National Wildlife Refuge (Williamson County), that most

adults, yearling females, and fawns were sedentary throughout the year, with home ranges < 4 miles across. Yearling males, however, often dispersed from the refuge.

Most deer disperse during April through early June in central Illinois (Nixon and Hansen 1985). The extensive movements associated with these dispersals result in an increase in the mortality of deer on highways during these months (Fig. 1). Using the mean number of road kills in each county from 1973 through 1979 for March, April, and May, and dividing Illinois by latitude, we found that roadkills during April and May were highest between latitudes 40 and 42. South of latitude 38, road kills actually declined in May (Fig. 1). The number of highway killed deer in spring suggests that extensive spring movement of deer declines south of Latitude 39 and virtually ceases south of latitude 38. Certainly deer in the southern counties have greater access to forest cover in winter than do deer in central and northern Illinois, although there may be a weather related genetic basis for that. The weather is less severe, and a rougher topography means deer could readily locate acceptable shelter closer to summer-fall ranges south of latitude 38.

Our objectives in the work reported here were: (1) To determine the location and general landscape characteristics for traditional winter concentration sites of deer in counties where forest cover occupies <15% of the landscape; and (2) To determine those landscape features important in selection of those wintering sites.

METHODS

County maps were distributed to persons, such as IDOC foresters, land managers, biologists, and conservation officers, USDA soil conservationists,

University faculty, county forest preserve personnel, and interested laymen, who were likely to have knowledge of traditionally used sites of deer concentration in winter. Sites reported through these sources were further verified by phone conversations with other individuals known to be knowledgeable of each site, or by personal visits to sites by project personnel. Sites were surveyed from the air following 3-8 inches of snow in Champaign, Piatt, Dewitt, Macon, Vermilion, Christian, Putnam, Stephenson, Winnebago, Marshall, Warren and Menard counties.

After verification, a 4-mi² area of landscape was selected to describe landscape characteristics of each wintering site. The location of the highest number of deer sightings in winter was used as the center of each 4-mi² study area. The limit of a 1-mile radius from the center of each site was based on winter movements, which rarely exceeded a 1-mile radius during winter, of radio marked deer on 2 wintering sites in Piatt county (Nixon and Hansen unpublished data). We then described land use and habitat characteristics within a 1-mile radius of the center of each study area by using aerial photos, topographic maps, and plat maps. These data were entered into the computer for further analysis.

A more detailed analysis of winter landscape characteristics that attract deer or that deer avoid in winter was undertaken in Champaign, Piatt, Macon, Ford, Dewitt, and Christian counties in east-central Illinois, Putnam and Marshall counties in central Illinois, and Stephenson and Winnebago counties in northern Illinois. These counties were flown in winter over snow (east-central = 3 winters; west-central and northern = once) and sites where deer concentrated or avoided were located. Forests cover <4% of the area in east-central Illinois, about 15% in west-central Illinois, and about 5% in Northern Illinois (Roberts 1982).

Aerial photos, topographic maps, plat maps, and personal visits were used to develop a list of 43 variables that describe the present land use characteristics of the 53 selected sites (29 areas of high concentration and 24 others avoided by deer) (Table 1). However, because landscape variables often are highly correlated, which can bias results from discriminant function analysis (Cooly and Lohnes 1971), we produced a correlation matrix from the original variables and kept only 1 variable out of each highly correlated pair with those variables most easily measured being retained. Thus, variables were selected and used in discriminant function analyses in attempts to derive models to separate sites of concentration from areas avoided by deer in winter on the basis of habitat (Table 2). We used the BMDP statistical package to perform the statistical analyses on the CDC Cyber at the University of Illinois.

RESULTS

Sites of Deer Concentration

We located a total of 289 sites, where deer traditionally concentrate each winter, in the 47 counties north of the line shown in Figure 2. The urban counties of Cook, Dupage, Kane, and Lake were not surveyed because much of the area encompassed by these counties previously had been surveyed on the Urban deer project. In addition, we did not survey Jo Daviess and Carroll counties because of extensive forest cover and a rolling topography that provide deer with abundant winter shelter. Our cooperators were unanimous in their opinion that deer do not make extensive seasonal movements in those unglaciated counties where they are found widely distributed in both in winter. Wintering sites are listed in Appendix 1 with legal descriptions of their locations and brief descriptions of land

use, human presence, the numbers of deer observed, and the outlook for their continued use.

At present, winter deer habitat has inadequate protection in Illinois. Only 34% of all sites are in public ownership and thus presumably safe from destruction, 61% are privately owned and subject to possible destruction, and 5% are soon likely to lose their capacity to support deer in winter due to conversion to non-compatible uses. Site protection is highest in Wildlife Management Region 1 (16/24=67%) and lowest in Regions 3 (23/90=26%), 4 (3/16=19%), and 6 (8/27=30%) (Table 3).

Regional comparisons of landscape characteristics provided few surprises. Sites in Region 1 had less cropland and more pastured forest than sites further south; Sites in Region 2 had less total forest, less young forest (<50 years), and less open forest canopy than sites in other Regions; Sites in Regions 3 and 4 were on rougher topography than sites to the east and north and sites in Region 5 had a higher proportion of young, disturbed forest cover than sites in other Regions (Table 4). Sites of deer concentration in all regions contained considerably more upland than bottomland forest--a reflection of avoidance of habitats that are subject to periodic floods during winter (Table 4).

Characteristics of Sites Selected as Winter Habitat

The 24 variables listed in Table 2 were used in a discriminant function analysis to derive a model that best described sites of winter deer concentration. For consistency, the same 24 variables were used for regional comparisons between sites selected and those avoided by deer.

We had the problem of deciding which variables are important to deer habitat selection. Often small habitats were selected by the discriminant

function, possibly because they were correlated with some other variable or variables important to wintering deer (which we may or may not have measured). It is also likely that a habitat generalist species, such as deer, exhibits a fairly wide latitude in acceptable habitats. The vast area of presently occupied range of white-tailed deer throughout North, Central and South America supports this conclusion (Halls 1984).

The variables listed in Table 5 were selected by the discriminant analyses as most important among those considered in differentiating between sites selected and avoided by deer in winter. For east-central Illinois, the presence of refuge, pastured upland forest over 50 years old with closed canopy, and shrub-old field habitat attracted and held large numbers of deer in winter. Deer avoided pastured forests even though they were attracted by pastured upland forest over 50 years old. With the refuge removed as a discriminating variable in a further attempt to determine the habitat variables that attract deer, the total amount of upland forest, and shrub-old field habitat were found most important (Table 5). The model using the variables listed in Table 5 correctly classified 12/13 (92%) areas of deer concentration and all (12) areas avoided by deer (Table 6). Use of a "Jackknife" procedure where each site is not included in model development, and the site is then classified based on the model developed from the remaining sites, correctly classified 11 (88%) of the 13 sites (Table 6).

For west-central Illinois, where forest cover approaches 15-16% of the landscape and livestock farming is important, deer were attracted to sites with improved pastures (pastures without trees) and avoided sites with high milages of primary highway (not shown) and large areas of upland forest with <50% crown closure (pastured and not pastured) (Table 5). Pasture

area was highly correlated with refuge in these counties so a second model was developed with refuge substituted for pasture. Deer were attracted to refuge and shrub-old field habitat (not shown) and avoided upland forest with <50% crown closure, upland forest <50 years old (pastured), and a high linear distance of primary highways (not shown). The model without refuge correctly classified 75% of the sites of deer concentrations and 100% of the sites avoided by deer in winter (Table 6). Including refuge in the model correctly classified an average of 94% of all sites. The Jackknife procedure correctly classified 78% of all sites when the model was used without refuge present but only 68% of all sites when refuge was included in the list of variables (Table 6).

In northern Illinois, deer were attracted to sites offering refuge from hunting and to upland forest <50 years old both pastured and not pastured. With the variable refuge removed, deer were attracted to sites with upland forest >50% crown closure, those both <50 and >50 years old that were pastured, and to shrub-old field habitat (Table 5). The models with refuge correctly classified 100% of the sites; The Jackknife procedure correctly classified 93% of the sites in the northern area. With refuge absent, the models correctly classified 88% of the sites (Table 6).

Although there were regional differences in the landscape variables selected as significantly affecting deer selection or avoidance of a wintering area, there were also variables that affected deer use common to all locations. The presence of a refuge from hunting was the most consistent variable associated with wintering deer concentrations in east-central and northern Illinois. These regions are generally <5% forested and deer hunting pressures per acre of available forest cover is high. Forests are considerably more extensive in west-central Illinois and

hunting pressures/acre of forest less severe. Refuge is not as important to deer in this region (Table 5), but is very probably locally important within the region where forests are few and hunting is heavy. Correct site classification was high, 75-100%, even when refuge was not used in the models (Table 6), indicating that landscape features also influence deer selection of winter range.

The presence of some type of upland forest was consistently important to wintering deer but age, canopy closure, and whether pastured or not varied among regions. We believe these differences reflected the relative abundance of the various conditions and types of upland forest throughout central and northern Illinois. Deer can utilize many types of habitat if harassment is not excessive. For example, most livestock producers remove their cattle from wooded pastures in winter. Deer normally avoid cattle and the constant grazing of cattle reduces food resources for deer, both of which render wooded pastures relatively poor deer range in summer and fall. Yet in winter and early spring, these pastures frequently provide deer with nutritious forage in the form of young green plants as the sun warms soils in open pastures before it does in forest areas. Deer are frequently seen in large herds in these pastures in late winter (Nixon unpublished data), and such sites appear to be important habitats for wintering deer, particularly in west-central Illinois.

Bottomland forest was not found important to selection of deer wintering areas in central and northern Illinois. While these habitats provide spring and summer ranges (Nixon unpublished data), they are frequently not available in winter due to periodic flooding. Only in east-central Illinois did bottomland forest (<50% crown closure) assume any importance in model development, and the low F-values indicated low

importance. However, deer do utilize bottoms, if dry in winter, to escape high winds, and to forage on the perennial forbs and grasses that are abundant on fertile bottomlands (Nixon unpublished data). However, the periodic lack of availability of bottomland forests in winter probably genetically precludes their selection as traditional wintering habitat.

Shrub-old field habitat, although not abundant in any region (Table 4), appears to be preferred habitat for wintering deer. Such habitats offer deer shelter yet easy access to agricultural crops (these early successional habitats usually occur on the edge of forests and adjacent to crops) and an abundance of fruits, seeds, succulent forbs, and grasses in an environment offering an open canopy that provides deer with sunny bedding sites on winter days and relative freedom from disturbance.

DISCUSSION

The white-tailed deer apparently evolved during the Pleistocene era with their development subject to the periods of climatic and habitat instability indicative of that epoch (Mattfeld 1974). The rigorous climates associated with the ebb and flow of the ice sheets forced deer to adapt to periods of intense cold, low food stocks, and often travel-impeding-snow cover--what has been termed a non equilibrium (read unstable) world. The concomitant development of major predators also forced deer to adapt to spatial and seasonal changes in food and shelter availability and to evolve successful fugitive strategies. On the northern and central ranges of eastern North America, seasonal movement patterns of using distinct winter and summer range types offered clear survival advantages. Where snow cover impedes deer movements each winter, deer congregate in coniferous forest types (Behrend 1966). Where snow cover is

less restrictive, and coniferous forests not available such as in Illinois, deer concentrate in hardwood forest types, marshes, and grasslands (Sparrowe and Springer 1970, Zwank 1974, Pietsch 1954). In summer deer restrict their movements, disperse widely becoming relatively solitary (breeding does and often adult bucks), an anti-predator (fugitive) strategy (Mech 1984). In winter, however, deer come together thus realizing: (1) greater mobility in deep snow as several deer can create paths to and from feeding areas; (2) increased vigilance with more deer watching for predators; (3) increased ratio of deer:predator with a correspondingly lower risk for individual deer; and (4) more feeding time as each deer has to spend less time watching for danger (Mech 1984).

A conceptual model portraying factors that appear to influence deer to congregate in winter is shown in Figure 3. In Illinois, both seasonally related weather and harassment apparently affect the timing and extent of movements of deer to traditionally used wintering sites, with weather apparently the more important factor. In central Illinois, we have noted that marked deer were seemingly slow to leave their summer ranges even after crop harvests had removed much of the available hiding cover, and hunters had to some degree harassed them for up to 3 months (gun and archery hunting). Movements to wintering sites were nearly always delayed until late December and early January, when most severe weather usually occurs in central Illinois. In mild winters, many deer did not move to a traditional wintering site, but either remained on their summer ranges or, if forest cover was scarce, moved only as far as necessary to locate suitable cover. We would expect, on the basis of weather, for deer in northern Illinois to move to concentration sites earlier and stay longer into the spring months than deer farther south.

There is a social component to dispersing behavior that affects which sites become habitually used wintering sites and when ingress and egress from these sites occur. Social behavior, particularly involving fawn learning where fawns follow their mothers to, and often from, wintering sites, may be of less importance to developing use of a traditional wintering site in central and northern Illinois than in more northern ranges (Nelson and Mech 1981, Tierson et al. 1985). In much of Illinois the following occurs: (1) Fawns are born on privately owned, heavily hunted ranges and either they or their mothers are killed before the fawn sees the winter range; (2) Fawns born on refuges usually survive the winter and thus "learn" the location of a wintering area from the family association. However a majority of these fawns disperse away from their mothers (about 75% of the males and 60% of the female fawns disperse, Nixon and Hansen 1985), often moving too far to return to their mothers' winter homes. While "traveling" these deer find other wintering sites by associating with other deer, or from environmental clues (escape from harassing situations, presence of many deer, or perhaps wind-vectored odors). These deer may subsequently migrate, annually moving into and out of wintering sites, or remain on the wintering area, particularly if the site includes a refuge. However, mortality rates are high for dispersing deer in central and northern Illinois (often >50% per year). Thus, the traditional use of the same winter and summer ranges apparently seldom occurs for Illinois deer, except for those that migrate relatively short distances.

Our findings on movements and dispersal emphasize the importance of well distributed wintering sites for deer in central and northern Illinois. Longer travels to and from wintering sites mean higher mortality levels for all sex and age groups, and lessen the probabilities for dispersing deer

to restock ranges depleted by hunters. Our search for wintering sites has shown that most counties in the intensively farmed region now contain <10 secure wintering sites, and that a majority of these areas are highly vulnerable to future destruction. At present they are protected only by the whims of private landowners (see Appendix 1). Refuge from hunting and harassments (escape) is an important factor in selection of wintering sites, perhaps in part because protection allows herds to increase and to develop seasonal movement patterns relative to the refuge. In other words, a refuge allows the deer to develop a tradition of use of an area, which can not happen if annual mortality of local deer is high. We found a refuge in each of the intensively examined wintering sites (N= 29), and we suspect some sort of refuge exists for deer in a vast majority of the 261 remaining wintering sites identified in Illinois. Unfortunately, ownership on most of these sites is private and landowner interviews were not conducted to determine presence of refuges.

RECOMMENDATIONS

This report marks the first attempt to evaluate and describe the general characteristics of deer range in central and northern Illinois. The 289 areas described in Appendix 1 represent the best and most important winter habitats remaining in the counties surveyed. Now that these sites have been located, the IDOC should: (1) incorporate data on wintering sites into one of the wildlife data bases now available (Illinois Fish & Wildlife Information System, etc.) to ensure their preservation and availability; (2) make immediate distribution of locations and descriptions of wintering sites to field personnel (conservation officers, district and regional biologists, site managers etc.); (3) provide copies to the central office

of IDOT and other public agencies who promote projects that could adversely impact winter deer habitat; and (4) through media outlets available to the IDOC, promote protection of wintering sites emphasizing their importance to continuing high hunting success and general herd well being. (We believe such sites to be highly significant to a diverse array of species in addition to deer.) The aim should be to protect the integrity of as many of the wintering sites as possible by emphasizing their importance to the deer and other wildlife. Now that wintering sites have been identified, losses of those existing sites may be largely preventable simply through a program of public education.

There are problems connected with the management of wintering sites that require additional research. If a refuge is present and large enough to shelter numerous deer, deer can quickly reach nuisance proportions. Yet if too many deer are killed on or close to a refuge, fewer deer than desirable will be available to restock adjacent habitats depopulated by hunting. If refuges are too small, too few, or too far apart, the summer ranges may not be adequately restocked. At present the optimum number and distribution of wintering sites and numbers of deer needed to restock existing summer ranges are unknown. Also unknown is the optimum size and landscape composition for these sites. There is need to develop management strategies directed toward developing and managing systems of secure wintering sites and refuges for deer in central and northern Illinois. A cooperative research project (IDOC, US Fish & Wildlife Service and Natural History Survey) has been approved (W-87-R-8,9,10) with the objectives: (1) To determine the optimal density pattern and distribution of secure wintering areas needed to restock summer ranges; (2) To determine the optimum size of refuges, their landscape characteristics, and deer

harvesting strategies necessary to minimize deer-human conflicts in and adjacent to refuges; (3) To evaluate the establishment of temporary vs. permanent refuges in areas where suitable summer range is present and winter protection is not presently available for deer. These studies should provide the data needed to develop acceptable management strategies for winter protection of deer in counties with less than optimum forest cover. The cornerstones of future deer management in Illinois will clearly relate to controlled harvest of known deer numbers and management or preservation of wintering habitats.

LITERATURE CITED

- Behrend, D. 1966. Behavior of white-tailed deer in an adirondack forest. New York Dept. of Environ. Conserv. Job Completion Rept. W-105-R-7, Job V-A, Albany. 143pp.
- Cooley, W. and P. Lohnes. 1971. Multivariate data analysis. J. Wiley & Sons, New York. 364pp.
- Gladfelter, H. 1978. Movement and home range of deer as determined by a radio telemetry. Iowa Wildlife Research Bull. 23, Iowa Conserv. Comm., Boone. 27pp.
- Hawkins, R., W. Klimstra, and D. Autry. 1971. Dispersal of deer from Crab Orchard National Wildlife Refuge. J. Wildl. Mgmt. 35:216-220.
- Mattfeld, G. 1974. The energetics of winter foraging by white-tailed deer. A perspective on winter concentration. PhD Thesis. State University of New York, Syracuse. 306pp.
- Mech, L. 1984. Predators and predation. In: White-tailed deer ecology and management. Stackpole Co., Harrisburg, PA. 870pp.

- Murphy, D. 1970. Deer range appraisal in the midwest. Pp. 2-10. In White-tailed deer in the midwest. USDA Forest Service Res. Pap. NC-39, St. Paul. 34pp.
- Nelson, M. and L. Mech. 1981. Deer social organization and wolf predation in northeast Minnesota. Wildl. Monograph 77. The Wildlife Soc., Washington, D.C. 53pp.
- Nixon, C. and L. Hansen. 1985. Illinois deer investigations. Cooperative Forest Wildlife Annual Report. Illinois Department of Conservation, Springfield. 25pp.
- Pietsch, L. 1954. White-tailed deer populations in Illinois. Illinois Nat. Hist. Surv. Biol. Note 34. 22pp.
- Roberts, P. 1982. Forests of Illinois. Illinois Dept. of Conservation, Springfield. Map.
- Sparrowe, R. and P. Springer. 1970. Seasonal activity patterns of white-tailed deer in eastern South Dakota. J. Wildl. Mgmt. 34:420-431.
- Tierson, W. et al. 1985. Seasonal movements and home ranges of white-tailed deer in the adirondacks. J. Wildl. Mgmt. 49:760-769.
- Zagata, M. 1972. Range and movement of Iowa deer in relation to Pilot Knob State Park, Iowa. PhD Thesis. Iowa State University, Ames. 249pp.
- Zwanke, P. 1974. Refuges as population centers for deer in threatened habitat. MS Thesis. Univ. of Missouri, Columbia. 70pp.

Prepared by: Charles M. Nixon and Lonnie P. Hansen

Final Report

Study No. VII-B; Title: Population Dynamics of the Illinois Deer Herd--
Past History, Current Status, and Future
Management Options.

Study Objectives:

1. To evaluate deer herd dynamics using available harvest information.
2. To define regional boundaries ecologically for deer and make recommendations based on herd dynamics.
3. To simulate herd dynamics under various harvest strategies.
4. To provide the Department of Conservation with management strategies for regional deer herds based on hunter demands and deer demographic characteristics.

Job No. 102.2; Title: Regional analysis of the Illinois deer herd.

Objectives: To determine the landscape characteristics most affecting harvest of deer in Illinois and to evaluate current regional boundaries.

(a) Final Report

Regional Analysis

Except for variable quotas on the numbers of licensed hunters, similar hunting regulations have been imposed for all counties in Illinois. The quotas have by and large been conservative and have worked well

allowing deer to increase in numbers and expand their range. However, local deer densities, hunter success rates, deer kill, and requests for permits vary greatly among the counties. As a result, different harvest regulations will probably be desirable for different parts of the state at some time in the relatively near future. Presently, deer management regions in Illinois, which are based on general river drainage systems and topographic features (Fig. 4) are used only as reference areas for summarizing deer harvest information. The regional designations have relatively little value for assigning harvest strategies. Grouping of counties according to factors most affecting deer abundance and harvest was undertaken to facilitate the development of management schemes appropriate on a county basis.

Counties serve as the basic units for our efforts at regionalization because most land use and ownership data are available in that format (Table 7). The 1979 crop acreages (Illinois Agricultural Statistics 1979) were used in determining potential deer habitat because, unlike subsequent reports, the 1979 report contained an "other lands" category, which included land in pasture, farmstead, and idle acres, all considered to be potentially important to deer. Unfortunately, forest types were not distinguished in the county forest acreage data available (Peter Roberts, Illinois Department of Conservation, unpublished data), however, these data were the most recent and accurate available with adequate resolution (2.5 acres). Our inability to obtain data with an adequate resolution which also differentiated among forest types was a major drawback, making our analyses on regionalization preliminary (see Comments). Other variables (county area, rural and urban land area, and area in roads) were obtained from the Lands Unsuitable for Mining Project (LUMP) at the Illinois Natural

History Survey. Human population data were based on the 1980 U.S. census (L. White, personal communication). These analyses excluded 4 counties (Cook, Dupage, Kane and Lake) where firearm deer hunting was not allowed.

Cluster analysis, a technique that determines if groupings exist among observations within a data set (Everitt 1980), was used in our approach to regionalization. The cluster program started with 1 county and, based upon criterion variables (Table 7), determined which other county was ecologically most similar to the first. The two counties were then grouped into a cluster. As a cluster, then, the two counties were compared with the rest of the counties to determine which other county is most similar to the first cluster. We then decided at what cluster level the counties should be grouped. Cluster analysis is not a stringent statistical method and the groupings formed can not be tested easily for statistical validity. However, using land use data, deer population indices, and human population data, cluster analysis can indicate various county association possibilities of potential management significance.

The cophenetic correlation between the dendrogram (Fig. 5) and the average distance coefficient matrix was 0.863. Two potential groupings of the counties were examined; one at approximately the 0.8 level of the distance matrix and the other at approximately the 1.0 level. The 2 levels grouped Illinois into 23 and 13 regions, respectively (Tables 8 and 9, Figs. 6 and 7). On the basis of the dendrogram generated, the regions formed by grouping counties at the indicated levels represent reasonable upper and lower limits to the number of feasible management regions. Grouping the counties at a level lower than 0.8 would divide the state into more regions than would be beneficial. Under a grouping level of 0.8, very fine differences separating the counties into regions would likely not

reflect differences meaningful in deer management. Alternatively, grouping of counties at a level greater than 1 could result in counties that are substantially different and more likely to be geographically disjunct being grouped within individual regions.

Because forest type has been found to affect local deer abundance, the lack of adequate information on forest types hampered the analyses and interpretation of the results on regionalization. The Forest Service inventory recently performed in Illinois should in the near future provide a breakdown of forest types suitable for improved regionalization analyses. Because of this, the analyses of regionalization performed to date should be viewed primarily as methodological and not conclusive.

(b) Target Date for Achievement: Final Report - 30 September 1986.

(c) Date of Accomplishment: On Schedule.

(d) Significant Deviations: None.

(e) Remarks.

(f) Recommendations:

(1) The purpose of the regionalization analyses was to group similar

counties according to factors important to white-tailed deer.

These groupings were intended for future use in deer management.

If hunter demands for permits or trends in deer numbers

necessitate varying harvest strategies throughout the state,

groupings based on ecological conditions would provide a means of delineating the management scheme most appropriate to a given

county. At this point there is no basis for suggesting that the

current system of allocating firearm deer permits on a county

basis be replaced with a regional allocation. Problems could

arise under regional allocation (if on a larger scale than the county) if it were not possible to adequately control deer harvest or the distribution of hunters as has effectively been accomplished under the current county based system. In addition, concentrations of hunters in regional deer "hot spots" might result in increased landowner problems beyond what occur under the county quota system.

- (2) Additional analyses with the updated forest inventory data will provide a more valid regionalization and should be attempted in the future.

LITERATURE CITED

Illinois Agricultural Statistics, Assessor's annual farm census. 1979.

Illinois Cooperative Crop Reporting Service. Springfield, IL. 28pp.

Everitt, B.S. 1980. Cluster analysis. Heineman Educational Books, London.

Sneath, P. and R. Sokal. 1973. Numerical taxonomy. The principles and practice of numerical classification. W.H. Freeman, San Francisco.

Job No. 102.3; Title: Population dynamics of the Illinois deer herd--
history, current status, and future management
options.

Objectives: To evaluate past and project future deer herd trends, project hunter demands and to recommend management strategies for regional deer herds.

(a) Final Report:

HISTORY

The white-tailed deer in Illinois (and the midwest in general) has made a remarkable recovery from near extinction in the early 1900s (Pietsch 1954, McCabe and McCabe 1984). Escapes and releases of captive white-tailed deer in northern Illinois in the early part of the 20th century and releases of "wild caught" deer throughout much of Illinois from around 1933 through the mid 1950s provided the start for the deer population estimated to total 3,075 deer in 1950-1951 (Pietsch 1954). Even at that early time (1950-51), localized areas surrounding original release sites, such as the Rock River range in Ogle, Winnebago, Lee, and DeKalb counties and Horseshoe Lake Game Refuge in Alexander County, were densely populated with deer, creating problems with landowners and motorists (Pietsch 1954). The first firearm season was held in 1957 in a few selected counties with firearm seasons continued annually in an increasing number of counties. Firearm hunting now occurs in 98 of Illinois' 102 counties. Seasons consisted of 3 days during late October-early November from 1957 to 1960, and 3 days in early December in 1961. Except during 1967 when a continuous 6-day season was held, the firearm season in Illinois since 1961 has consisted of 2, 3-day segments, one in mid-November and the second in early December.

The recovery of the white-tailed deer can be attributed to a number of factors, but 2 of the most important are the white-tail's adaptation to open environments and innate propensity to disperse, and careful deer harvest management by the Illinois Department of Conservation (IDOC). Management of deer in Illinois has consisted of regulating the number of firearm permits issued on a county basis. In the 1960s, permit allocation

was often experimental. In some counties, especially in southern Illinois, the amount of hunting that local deer could sustain was evaluated by issuing large numbers of permits. In these areas the deer were overexploited as indicated by declining harvests and hunter success rates during the mid 1960s (Fig. 8). After reducing hunting in problem counties in the late 1960s and early 1970s, however, deer numbers, hunter success, and total kill slowly increased. The 1980s saw a rather rapid increase in both the harvest of deer and in hunter success (Fig. 8). These increases can be attributed mostly to a rapidly increasing deer herd although, enhanced hunter proficiency resulting from greater experience, improved equipment, and increased deer vulnerability resulting from loss of habitat, and progressively earlier crop harvests may have increased hunter success and total deer kill.

At the inception of the modern firearm season in Illinois, low deer numbers and low hunter densities resulted in low per area harvests (no. deer/km²) (Table 10). These values have consistently increased in all regions even as more counties were open to hunting, numbers of hunting permits were increased (Fig. 9), and deer numbers increased. Currently, however, the harvest of deer per area of forest is much lower in some regions (4, 6, and 7) than in the others (Table 10). This difference can be attributed in part to regional differences in suitability of the forest as deer habitat, to differing rates of illegal kill, and to fawn mortality. Evidence suggests, however, that the harvest rates are too high to allow deer herds in some regions to attain densities comparable with those in the other regions. Factors controlling abundance and harvest will be discussed in more detail in a later section.

Data from harvested deer have been collected at mandatory check stations since the first Illinois deer season in 1957. These data provided a means of determining trends in deer abundance. After the initial experimentation with hunter quotas, conservative harvest goals set by IDOC biologists were relatively simple to establish because herd expansion was desired. An accelerated rate of increase of the deer population in recent years and increasing deer depredation complaints have complicated deer management by adding a new dimension, the need to locally stabilize or even reduce deer numbers in some areas. At the same time the number of licensed firearm and archery deer hunters has increased to over 130,000 in 1985. Based on past trends in requests for deer permits, we project a further increase of nearly 50% by 1990. Because of conflicting attitudes of the public towards deer, and varying perceptions of how many deer should be locally present, solutions to deer management problems are complex. The IDOC must balance the desires of hunters and recreationists, who often want large numbers of deer, with individuals in the agricultural community who fear the depredations caused by a large deer herd, and others who are simply opposed to all hunting.

Current Conditions

Legal harvests are undoubtedly the major cause of mortality of deer in most parts of Illinois today. Beyond that, legal harvests are the only logistically effective avenues of controlling deer abundance available to deer managers. A detailed analysis of annual harvests can provide insights into the demographic profile of deer throughout Illinois and can provide background data for projections of deer age/sex composition, productivity, and abundance as well as a basis for predicting the probable outcomes of alternate harvest strategies.

Illinois requires that successful firearm deer hunters take their deer to a county check station where they are sexed and aged into 1 of 5 classes (0.5, 1.5, 2.5, 3.5, and 4.5+ years) using the tooth eruption and wear criteria of Severinghaus (1949). Because of hunter selectivity and differential behavior of sex-age classes (affecting vulnerability to harvest), age and sex structure of deer in the harvests typically differs from that of deer in general (Maguire and Severinghaus 1954, Roseberry and Klimstra 1974, McCullough 1979, Coe et al. 1980). In addition, inaccurate aging of deer using the eruption and wear criteria is a problem in Illinois, especially in identifying the older age classes (2.5+ years) (Roseberry 1980, Woolf and Roseberry 1986, personal observations). Although differential vulnerability of deer to harvest confounds interpretation of data from any 1 year, a somewhat clearer picture of the vital statistics of the deer herd can be obtained by evaluating long-term data sets on temporal (daily and annual harvests) and regional scales.

Daily Harvests of Deer

The sequence of harvest within a season not only provides insights into daily changes in deer vulnerability to hunting, but also on the effect of daily variable environmental conditions on harvests. From 1981 through 1985, nearly 70% of the total harvest occurred during the first 3 days of the 6-day seasons and 75-80% of the antlered harvest occurred during the first 3 days of the 6-day seasons (Table 11). Antlerless harvests were more evenly distributed among days (Table 11). Male fawns apparently were slightly more vulnerable than female fawns early in the season as the proportion of fawn males harvested the first 3 days (69.6%) was higher than that of female fawns (61.8%). - Similar sex-age differences in the

progression of harvest have been reported by other researchers (Andersen 1953, Taber and Dasmann 1954, Roseberry and Klimstra 1974, McCullough 1979, Coe et al. 1980). McCullough found that hunter selectivity accounted for about two-thirds of the variation in harvest mortality of male white-tailed deer in Michigan but indicated that behavior also played an important role. Roseberry and Klimstra (1974) indicated that antlered deer were initially (during the first 3 days) more vulnerable to harvest, but that by the 5th day proportionately fewer of them were being taken than any of the other sex-age groups.

Analysis of variance was used to determine the effects of day of season, year, and region on daily harvests of deer. Of the main effects, only day of season was significant ($p < 0.01$), however, there were significant daily harvest-region ($p < 0.05$) and daily harvest-year ($p < 0.05$) interactions. These interactions indicated that there were regional and annual differences in the sequence of harvest. The most obvious regional difference was the high day 1 and day 2 harvests in Region 8 compared with the other regions (Table 12). This might be expected because hunters in Region 8 tend to travel longer distances to hunt (unpublished results of a hunter questionnaire by John Kube, IDOC) than hunters in other regions. It is probable that because of the greater travel distance and expense for numerous out-of-region deer hunters using the largely rural Region 8, a lower proportion of those unsuccessful the first 3 days return for the second 3-day segment. The annual differences in daily sequence of harvest could be attributed to several potential factors. Hansen et al. (1986) evaluated the effects of weather, progress of corn harvest, number of hunters, day of the season, and estimated deer population on both the daily and annual kill of white-tailed deer. It was found that the daily sequence of harvest could be significantly affected by all those factors.

Annual Harvests of Deer

Annual harvests of deer partitioned by sex and age when analyzed over a period of years provide useful information on herd demographics. A significantly lower proportion of harvested deer were 0.5 and 1.5 years old, and within these age classes a lower proportion were males, during the 1957-1966 period than in later periods (Tables 13 and 14, Fig. 10). A lower proportion of the 2.5-year-old deer harvested between 1957 and 1961 were males than in later years. In contrast, a higher proportion of the harvests consisted of 3.5-year-old deer and older and of these deer, a higher proportion were males for the years 1957 -1961 than in later years. Harvests skewed towards the older age classes in the early years of modern day deer hunting in Illinois likely reflect availability, and low hunting related rates of mortality in previous hunting seasons, rather than hunter selectivity for older deer. If hunters had been more selective in early years, sex ratios also would have been more skewed towards males, but this was true only in the older age classes (3.5+ years). Older age classes likely predominated in the early years because hunting had not yet induced the younger age structure typical of heavily hunted deer populations (McCullough 1979).

The trends since 1957 towards increasing proportions of males in the fawn and yearling age classes could have resulted from several factors. Burgoyne (1981) concluded that increased proportions of yearling males in the harvest reflected increased exploitation. We similarly believe that in Illinois the increased proportion of harvested yearling males and reduced proportion of males 3.5 years and older indicate increased exploitation, especially significant in rates of harvest of antlered deer. Regressing

the percent of total harvest consisting of a sex-age class on year of harvest revealed that significant positive trends existed for the presence of 1.5- ($p < 0.01$) and 2.5-year-old males ($p < 0.05$) and 1.5-year-old females ($p < 0.05$) and significant negative trends occurred for ≥ 3.5 -year-old males ($p < 0.01$) and 2.5- ($p < 0.05$) and ≥ 3.5 -year-old females ($p < 0.01$) in the harvests. No significant differences were noted in trends for numbers of male or female fawns. These results indicate that rates of exploitation of yearlings have increased significantly for harvest of both males and females. The slopes of the regressions (0.37, 0.05, and -0.69 for 1.5-, 2.5-, and 3.5-year-old males, respectively, and 0.05 -0.06, and -0.08 for 1.5-, 2.5-, and ≥ 3.5 -year-old females, respectively) and Figure 10 indicated that the increase in exploitation was greater for males. The more rapid increase in the rate of exploitation in 1.5-year-old males, the decline in proportion of harvest consisting of ≥ 3.5 -year-old males, and the lack of any trends in total fawn harvest suggest that changes in hunter selectivity can best account for the trends. With a few exceptions, deer densities in Illinois have increased steadily during the last 25 years indicating that total harvests have not been excessive, although that may be the case for some local areas. In the early years, hunters often got few opportunities to shoot a deer and therefore were more likely to kill the first deer that presented a shot. With increased deer densities and experience, hunters today may be much more likely to pass up a shot at antlerless deer, especially fawns, and wait for an opportunity to take an antlered or at least a larger deer.

Changing selectivity could explain the trend towards increased harvests of yearling males but, because male fawns do not have readily visible antlers, this seems a less likely explanation for the increase in

the proportion of male fawns in the harvest. As indicated, the daily sequence of harvest (Table 11) suggests that fawn males are more vulnerable to harvest, at least initially, than are fawn females. Verme (1983) found that the percentage of male fawns declined with increasing maternal age. The tendency in Illinois towards a younger maternal age structure (Table 14) may have resulted in fawn sex ratios progressively skewed towards males. Verme (1985) also indicated that deer under nutritional stress produce a preponderance of male offspring. If increasing deer densities in Illinois have resulted in a herd more nutritionally stressed, we might expect a greater preponderance of males. However, deer in Illinois generally have access to an abundance of highly nutritious foods produced on high mineral soils and have high reproductive rates (Grubaugh 1983, Nixon and Hansen 1985). There is little evidence of nutritional stress in most of the hunted parts of Illinois.

Although regional differences in sex and age ratios in the harvest occurred, no definitive pattern to such differences was apparent (Tables 12 and 13). In general, older age classes of males (2.5 and 3.5+ years) tended to be more abundant in the harvest in the sparsely forested regions (2, 5, and 6) than in the other regions. Fawn harvest rates were highest in Regions 1, 3, and 4. These regional differences likely were a result of differences in harvest intensity, possible hunter selectivity, and perhaps in reproductive rates. Higher fawn harvest rates and lower adult male harvest rates in western and northwestern Illinois (Regions 3, 4, and 1) suggest that deer in these regions were more heavily exploited and/or that the eastern and southern parts of the state. Regional differences in reproductive rates and fawn survival rates tend to confound this interpretation.

Reproductive and fawn survival rates are higher in at least some parts of central Illinois than in portions of southern Illinois (Nixon and Hansen 1985, Grubaugh 1985, Roseberry and Klimstra 1970, Nelson 1984). Therefore, productivity may account for the higher proportion of the population in central and northern Illinois. If this is true, the lower percentage of the harvest consisting of fawns in southern Illinois, but not east-central and northeastern Illinois, may have been a result of availability rather than any hunter selectivity. In addition, a north-south gradient in size of deer in Illinois (Richie 1970) may have affected hunter selectivity. Because of their smaller size, fawns in southern Illinois may have been less attractive to hunters than are fawns to hunters in central and northern Illinois.

Reconstructed annual mortality rates (Downing 1980) also reflect increasing harvest rates of male deer in Illinois. These reconstructed rates, although not restricted by some of the assumptions typical of other life table analyses, require that deaths be accurately enumerated. Harvest data do not conform to this requirement because of sex-age related differences in the likelihood that a deer will appear in the harvest and that all mortality is adequately accounted. Therefore, we used reconstructed rates only to compare annual trends and regional differences in mortality. In addition, reconstructed mortality estimates for adult age classes (2.5+ years of age) were more sensitive to problems of truncation of age categories at 4.5 years than were fawn and yearling mortality calculations. As a result, only fawn and yearling reconstructed rates were used.

Analysis of variance indicated a significantly higher annual mortality for yearlings than fawns (Table 15). Fawn mortality was significantly

lower in period 1 than in any other period. Although not significant, after the initial increase in mortality of fawns in period 2, there was a general decline in mortality rates in all regions thereafter (Table 15). Annual mortality of yearlings was lowest in period 1 but in contrast with fawns, then increased. Mortality of yearling males generally increased over the 5 periods, whereas mortality of yearling females increased until the third period and then remained about the same. The only significant regional difference was a higher fawn mortality in Region 1 than in all regions except region 8. Fawn mortality tended to be lower in regions 5 ($\bar{x}=23.8$) and 6 ($\bar{x}=27.1\%$) than in regions 8 ($\bar{x}=32.2\%$) and 1 ($\bar{x}=39.2\%$), with mortality in other regions being intermediate.

Fawn-to-doe ratios in the harvest have been used as an index of productivity (Lang and Wood 1976). Unfortunately, the possible reproductive significance of fawn-to-doe ratios in the harvest are confounded by differential vulnerability to harvest among age classes, making any interpretation difficult. For example, overall fawn to doe ratios in Region 8 were higher than in Region 5 (Table 16). However, field studies in Region 5 (Nixon and Hansen 1985) and in Region 8 (Roseberry and Klimstra 1970, Nelson 1984), however, suggest the opposite--higher reproductive rates and fawn survival in Region 5 than in Region 8. Differences in fawn vulnerability to hunting among regions may have led to the skewed fawn:doe ratios.

Temporally partitioned fawn to doe ratios provide more useful results. Fawn to doe ratios were lowest in period 1. These ratios may reflect lower productivity--a density dependent response to high adult densities in some areas--but are more likely a result of increased hunter selection for adults in the later years. It is interesting to note that fawn to doe

ratios in most regions during the 1977-1981 period, a time of record breaking severe winters in Illinois, were lower than in all but the first period. We suggest that the severe winters of 1977-1981 may have depressed productivity and that this change was reflected in the harvests. Reduced productivity after severe winters is common on northern deer ranges (Karns 1980), but has not been reported in farmland areas.

THE PRESENT

County Deer Population Simulations

The simulation model, developed for the counties in which deer have been legally hunted with a gun (all counties but Cook, Dekalb, Dupage, and Lake), was deterministic and dealt only with processes directly affecting the size of county deer populations, i.e. births and deaths. Environmental variables, such as browse production and winter weather condition (Medin and Anderson 1979), and possible density dependent adjustments of reproduction and mortality, were not incorporated into the Illinois deer model.

Illinois deer utilize agricultural crops extensively (Nixon et al. 1982), relieving some of the pressure on and reducing the importance of the food base within the woodlands. In addition, winter conditions generally are less severe than further north, where severe winters can affect survival and reproduction (Verme 1968, Karns 1980). Annual reproductive rates in most parts of Illinois are relatively constant, especially when compared with those of northern deer herds. They are apparently free of nutritional and social implications at current levels of deer abundance.

Although evidence suggestive of reduced productivity following severe winters in 1977-1981 was cited in an earlier section of this report, we

feel that in Illinois reduced productivity occurs only under unusual circumstances. Therefore, winter severity was not incorporated into the model. We do not know what levels of deer abundance are necessary to depress reproductive rates in deer associated with agriculture, but it is likely that in most of the state (excluding the unhunted northeastern section), deer populations are far below potentially critical levels (as illustrated by the hypothetical growth curve in Figure 11). It also is unlikely that deer densities will ever attain those levels where effects such as reduction in body weight, antler size, and fawn production are observed, except possibly in very localized, refuge situations. Deer-agricultural conflicts will probably necessitate reductions before critical densities are attained over large areas.

Ecological concepts of maximum sustainable yield (Caughley 1977), have little relevance in Illinois. The more critical element is landowner attitude. Because the legal deer harvest is the most important single factor affecting deer abundance, the modeling of deer abundance in an agricultural state like Illinois is greatly simplified. As a result we have been able to develop procedures applicable to county-sized management units based only on the annual harvest data.

The Illinois deer model was written in Applesoft Basic for Apple II microcomputers. The simulation year is divided into 3 mortality periods: summer (June 1 - September 30), hunting season (October 1 - December 15), and winter-spring (December 16 - May 31). Fawns are born during the summer. The program allows for input of age-sex specific reproductive and mortality rates. Mortality rates can be varied among the simulation period. Five age classes were used in the county simulations: fawn - birth to 1.0 year; yearling - 1.0 to 2.0 years; and 3 classes of adults -

2.0 to 3.0 years, 3.0 to 4.0 years, and 4.0 years and older. Age classes are incremented at the beginning of the summer period. In a simulation, deer are simply added to and subtracted from the population during each period according to prescribed reproductive and mortality rates.

County deer herd trends (1974-1985) and population predictions (1986) were determined using the following methodology. Age specific reproductive rates, based on research done in Illinois (Grubbaugh 1983, Nixon and Hansen 1985, Roseberry and Klimstra 1970) were held constant during the simulation period and were the same in all counties except those in Region 8 (Table 17). Winter-spring and summer mortality rates also were held constant and were derived from data gathered on the Platt County Study Area (PCSA) located in east-central Illinois (personal observation). Although these rates probably varied among counties and years, mortality data for each county were not available in Illinois for this period. Fawn mortality during the summer was held constant at 10% for all counties but those in Region 8, where it was set at 15%. These rates likely were low in some counties and years, and perhaps high in others. Nixon and Hansen (1985) found 100% survival of 15 fawns marked when less than 2 weeks of age in east central Illinois. High fall fawn to doe ratios on their study area reflected high fawn survival from birth to 1 October. Other studies in the midwest indicated fawn mortality of 33%, 27%, and 30% in Missouri, Iowa, and southern Illinois, respectively (Bryan 1980, Huegal et al. 1985, Nelson 1984). Underestimated county deer populations would result if fawn mortality (and/or adult mortality) was higher than designated in the model. Estimates of trends in deer population numbers, however, would remain valid if errors in fawn survival were consistent among years.

The number of deer dying during the hunting season was determined using the following formula:

$$KILL_{ij} = GHR_{ij} + GHR_{ij}(0.30 + 1.5(BK/GK))$$

where

$KILL_{ij}$ is the number of deer of sex i and age j dying during the hunting season

GHR_{ij} is the number of deer in the respective sex-age class checked in during the gun deer season

BK is the total reported bow kill

GK is the total registered gun kill

Crippling losses and non-reported kills were together assumed to be 30% of the gun kill and 50% of the bow kill. Similar losses have been reported elsewhere (Downing 1972, Roseberry et al. 1970, personal observations). Sex-age structure of deer killed by bow by county was not available. Bow kill was partitioned into sex-age categories similar to those of the gun harvest. In the simulation, the number of deer in each sex-age category dying during the hunting season, rather than a proportion, was subtracted from the preseason estimate.

Estimated county deer population size was simply the number of deer necessary to support the estimated mortality under specified reproductive rates. The simulations were aligned on known deer harvests (1974-1985) standardized for numbers of hunters. Because harvests are most dependent on densities of deer and numbers of hunters, and are affected relatively little by annual variations in weather (Hansen et al. 1986), we felt that standardized annual harvests better reflected actual deer abundance. To align the county models, we varied the initial size of the probable deer population (1974) until simulated trends mimicked adjusted harvest trends.

Given the uncertainties in the input data, particularly non-hunting mortality rates, the close match between estimated deer population size and adjusted harvests in most counties was a welcome surprise and tends to verify the importance of the annual harvest on changes in deer abundance (Table 18).

Analyses in which the number of hunters and estimated deer abundance were regressed upon the gun harvest verified that the deer population estimates were good predictors of harvest during the years of simulation (1974-1985) (Table 19). Also, there was a significant relationship ($r^2=0.54$, $p<0.01$) between the estimated number of deer available to each hunter in 1985 and the proportion of hunters that were successful, indicating the deer population projections provided reasonable predictions of future deer abundance. To obtain the best predictions for the following year, county analyses should be updated after each gun season. The ability to predict future harvests should also be tested after each deer season. It is likely that realignments will have to be performed regularly in some counties to improve poor fitting models and to conform to changing habitat conditions.

The county simulations revealed some interesting findings. For example, although deer harvests were predictable in most counties (Table 19), poor fits were observed in Alexander, Hardin, Massac, and Stark counties. The inability to satisfactorily predict deer abundance in these counties was apparently a result of inaccurate input data. It is uncertain what input was not accurate, but we suspect non-hunting mortality, because in surrounding counties the model provided good predictions using the same reproductive rates. Illegal kill, especially if high and variable among years, is certainly suspect in these counties.

Estimated county deer densities (number/km² forest) were highly variable (Fig. 12). The regional trends in deer density were similar to per area harvests described previously. Certainly all woodlands in Illinois are not equally suitable as deer habitat. Differences in forest type, stage of succession, human disturbance, etc. can account for some of the differences observed in deer density, but other factors likely also are involved. Some of the predicted deer densities may have been low because of poor input data. If actual nonhunting mortality rates were higher than those input into the model, deer abundance would be underestimated. For example, if fawn mortality in Effingham County was 25% instead of the 10% as used in the simulation, the estimate of deer density would increase from 8.2 to 9.8 per mi². Because the coyote is an important predator on fawns (Porath 1980), portions of southern Illinois, which have high coyote populations (Hubert, personal communication), may have higher fawn mortality than that input into the model. In addition, many of the counties with lower estimated deer densities, especially in southern Illinois, were rural and economically depressed relative to other parts of the state suggesting increased poaching. Poaching is somewhat of a tradition in some of these counties. As a result, adult deer mortality may have been higher than that input into the model. As with fawn mortality, this could result in underestimated deer populations.

Low estimated deer densities were in some cases associated with urbanization (Mercer, Peoria, St. Clair, and Will counties). Urban sprawl into existing woodlands and the associated human disturbance may have reduced suitability of local woodlands for white-tailed deer. In addition, urbanization of the woodlands (or public purchase for urban parks) may reduce accessibility to the hunter. An assumption of the model used to

estimate deer numbers is that all deer are susceptible to harvest. If large portions of deer habitat in a county are inaccessible to hunters, the size of the deer population will likely be underestimated. This phenomenon may have occurred in counties such as Kankakee and Vermilion, which have abundant public land on which firearm deer hunting is not allowed.

Deer densities could be depressed in some counties lacking adequate refuge. In agricultural regions, where woodlands are dissected and often small, deer are highly vulnerable to harvest (Gladfelter 1984, personal observations). In these areas deer may be depleted during the hunting season and, if not naturally restocked each year by deer dispersing from refuges, deer numbers may remain locally depressed.

Finally, low estimated deer densities in some counties may be attributed to overexploitation. Relatively stable deer populations can be maintained at any reasonable level depending on the harvest rates. It is possible that in some counties harvest rates imposed at some point in the past and since maintained were such that deer numbers could not increase as they have in other counties. This situation may be especially true of deer in some counties in northeastern Illinois and along the Wabash drainage in the southeastern part of the state.

Another observation resulting from the county simulations and a source of error variation in the harvest regressions was a tendency to overestimate the harvest of deer in the early years (1974-1976) and to underestimate harvest in later years (1983-1985). Analysis of the residuals indicated an average overall error of 8% of the total harvest during the first 3 years of the simulation and 5% during the last 3 years. We found that the initial deer population estimate (1974) had to be inflated to sustain the rapid increases in harvest during the last 3 years

(1983-1985). It is, therefore, likely that we overestimated early populations in many counties. This error further suggested that some factor that was held constant in the simulation had actually varied during the simulation period (1974-1985). Declining non-hunting mortality, increasing reproductive rates, and/or sex ratios with increasing proportions of females could explain these discrepancies. Given constant or probably declining habitat conditions, it seems unlikely, however, that reproductive rates would have increased during the last 10 years. A change in sex ratios also seems unlikely because the harvest data indicate that, if anything, there has been a trend towards male dominated sex ratios. The most likely change is a decline in non-hunting mortality rates, although reasons for such a decline are unknown. It would certainly be appealing to conservation police officials to attribute this apparent decline in poaching to better law enforcement reducing the illegal kill and a decline in poaching may be a factor. Changes in human values and attitudes towards deer could also play a role in causing a decline in illegal kill.

General Simulations

Sensitivity analysis provides a measure of the response of deer to changes in demographic parameters. Such analyses can aid in formulation of decisions on research priorities by delineating factors potentially most strongly affecting herd trends (Medin and Anderson 1979). Sensitivity analyses were performed by varying one parameter at a time while holding all others constant at standard input values (Table 20). Standard input values produced a nearly stable deer population during a 10-year control simulation. Population size at the end of a 10-year test simulation was compared with that of the control simulation to determine the

responsiveness to parameter alteration. The range of the altered values was maintained within biologically reasonable limits.

The deer population was most sensitive to changes in fawn sex ratios, reproductive rates, and female harvest rates (Table 17). Summer and winter-spring mortality rates, especially of males, had minimal effects on population change. The obvious impact of relatively small changes in fawn sex ratios may explain some of the error in annual county population estimates and in harvest projections. Even if small errors or shifts in sex ratios occurred during the simulation period, large over- or underestimates of the population size could have resulted. This possibility suggests that improved information on sex ratios of fawns and the annual variability in these ratios would help improve population simulations. Errors of estimation and variation in reproductive rates can have similar effects.

THE FUTURE

Although deer herd dynamics are very sensitive to some parameters, in the short term, a management system is very forgiving of mistakes. For example, if harvest were doubled during 1 year in a county, recovery time (time required for the deer population to attain preharvest levels) with no harvest or 50% of normal harvest in following years would be slightly greater than 1 and 2 years, respectively (Fig. 13). High normal reproductive and fawn survival rates are responsible for the resilience in Illinois deer abundance. Recovery time of the population would increase as the normal harvest rates under the sustained yield population are approached. If the sustained yield harvest rates maintained prior to doubling the harvest were imposed immediately following an "overharvest," we would expect a new sustained yield at a lower density than before the

overharvest (Fig. 13). This indicates that abundance levels below which density dependent mortality and reproductive rates occur (if in fact they do), we can maintain deer numbers at about any density we desire.

Management of Deer Harvests

As trends in county deer herds have gradually increased, harvest rates have been enlarged to accommodate more requests for gun permits, but also in an effort to limit deer numbers in some areas. Projections of deer numbers for 1986 indicate a leveling or a slight decrease in deer numbers in many counties. These projections suggest that any substantial increase in harvest of females in most counties will result in a decline in local deer numbers. However, we project requests for firearm hunting permits in Illinois counties to increase an average of 47% by 1990 (Table 21). Clearly, these requests can not be met under the current system if we expect to maintain the high hunter success rates and present county deer densities (Nixon and Hansen 1985).

High harvest rates of antlered deer have little impact on deer herd size (Fig. 14) as compared with those of antlerless harvests (Table 20). Harvest of antlered males is very high in some states, yet no evidence is currently available to indicate that such harvests adversely affect productivity (Ozoga and Verme 1985), although shifts in breeding time have been suggested as a potential problem (Gruver et al. 1984). It is unlikely, no matter how many "antlered only" permits are issued, that the high proportionate antlered harvests observed in some other states can be attained in Illinois because most land is privately owned and, therefore, access for hunting is limited. Kube (1983) indicated that landowners generally limited hunting on their property to friends, relatives, and

neighbors. Increasing rates of harvest of deer will to some extent impact availability of trophy males (Fig. 14), however, because extremely high harvest rates of males will probably never be attained, and because of the large number of deer in Illinois, some trophy deer will always be available.

Most states now have a variation of "antlered only" combined with "any deer" hunting seasons (for example, Iowa, Indiana, Wisconsin, Ohio), and most feel that their system works well (personal communication, L. Gladfelter, Iowa, J. Olson, Indiana, R. Stolle, Ohio). Success under a variety of harvest systems is possible, but several factors should be considered before any change in the deer season is attempted in farmland range. First, some females must be harvested at regular intervals to maintain herd size within desirable limits. Permit quotas must be established with strict IDOC control over annual numbers of "any deer" permits issued. Second, from the sole standpoint of deer herd dynamics, unlimited numbers of "antlered only" permits could be issued. However, control of the deer herd can not be maintained by issuance of just "antlered only" permits. Hunter densities and the desire by some hunters for trophy deer must be considered when setting quotas for "antlered only" permits. The possible illegal kill of female deer by "antlered only" permit hunters also dictates a conservative issuance of "any deer" permits when "antlered only" permits are issued for the same place and time.

Several possible alternatives to the current split 6-day "any deer" season that would accommodate the demand for more deer hunting permits have been considered. One alternative was to maintain the current "any deer" permit system but to reduce the firearm season. More hunting permits could be issued under this system because hunter success and, therefore, the

number of deer harvested for a given number of hunters would be reduced (Fig. 15). This system has negative connotations and, therefore, is not desirable because the hunting season would have to be reduced substantially before adequate hunting opportunities would become available for additional hunters (Fig. 15). The reduced opportunity for hunters with permits, lower hunter success rates, higher hunter densities, and the likelihood of irate landowners would result.

Given the current demands for firearm deer permits, probably the best alternate harvest system would include the issuance of a limited number of "any deer" permits with the quota of "antlered only" permits maintained at recent levels. Nixon and Hansen (1985) evaluated the outcome if such a season were held in Illinois and concluded that all hunters could be accommodated under such a system without substantially affecting herd dynamics, but there was potential for reducing somewhat the availability of trophy bucks. A quota on "antlered only" permits is suggested at least initially to maintain reasonable hunter densities and, therefore, limit hunter accidents and minimize hunter-landowner conflicts. If demands for gun permits continue to increase, however, alternatives to this system may have to be considered. One variation of the limited "any deer," with unlimited "antlered only" season, would provide for a split season where the hunter must select one of two segments in which to hunt (Kube 1983). As an incentive for hunters to select the second segment, more "any deer" permits would be issued and the length of the second segment would be longer than the first segment. Attempts to simulate the outcome of this type of season are difficult because there is no precedence for it in Illinois. We do know, however, through county simulations, approximately the number of deer that can be harvested in each county to maintain desired

herd levels, and we can estimate with reasonable accuracy, based on daily harvest data under the current system, the number of deer we could expect to harvest during the first 3-day segment of a 2-segment season. Harvest during the last segment is more difficult to predict, because, unlike hunters in the current system, hunters in the proposed system would be "fresh," not having been allowed to hunt the first segment. In addition, more deer would survive the first segment under the proposed system than under the current system because there would be fewer "any deer" hunters and lower success rates because of the shorter season. Because of the uncertainties under this system, issuance of "any deer" permits should initially be very conservative. In addition, this system should be tested on counties in 1 or 2 regions prior to statewide implementation.

(b) Target Date for Achievement:

Final Report- 30 September 1986

(c) Date of Accomplishment: On Schedule.

(d) Significant Deviations: None

(e) Remarks.

(f) Recommendations: In addition to those given above, the following:

- (1) The harvest data, even with their biases, have provided the IDOC with a valuable means of evaluating county herd trends and predicting harvests. We strongly recommend that collection of harvest data continue as in the past (although aging needs to be improved). Even though aging of deer beyond 2.5 years is suspect, we recommend maintaining the current aging system to conform to the existing computer programs (based on 5 age classes). We also recommend that data continue to be collected in every county and that all deer taken be registered. It has been suggested that

sample data from a few counties within a region will reflect trends in non-sampled counties. This suggestion is not true because hunter quotas are set on a county basis and the dynamics of deer in each county are unique.

- (2) The harvest analyses and county deer simulations should be updated each year following the gun hunting season. Future hunter quotas should always be based on the deer herd projections for individual counties.
- (3) Indices to deer population trends independent of those derived from harvest data are needed to verify current methodologies. A consistent and reliable means of reporting road kills could potentially provide a reliable index.
- (4) This report has dealt mostly with deer harvested by firearms (although archery kill was included in the county simulations). The firearm harvest is the most significant hunting-related mortality factor in most counties, however, in several counties, the archery kill approaches or exceeds firearm harvest. Over 62,500 bow hunters are expected in Illinois by 1990. Because of the recognized high crippling mortality of deer by bow hunters and the dramatic increases in the number of bow hunters, the IDOC may have to consider, at some point in the future, establishing quotas on bow hunters in some counties. Accurate data on hunter success, crippling loss, and sex-age structure of the bow harvest will become increasingly important as numbers of bow hunters increase. We recommend that methodologies for evaluating bow hunting (questionnaires, mandatory check, etc.) be developed as soon as possible.

- (5) Hunter and landowner questionnaires should be distributed periodically to determine perceptions concerning the deer herd and management. Periodical questionnaires are especially important if hunting regulations are modified to accommodate more hunters, and if regulations are ultimately established on the basis of landowner attitudes.
- (6) The counties outlined in Figure 9 need special attention because of apparent low deer densities. Information on reproductive and survival rates in these areas are essential if we are to determine if the cause for estimated low densities can be attributed to hunting, non-hunting related factors, or simply inaccurate estimates resulting from poor data inputs.
- (7) Although habitat was not addressed in this modeling effort, maintenance of adequate winter and fawn-rearing habitats is basic to the success of the Illinois deer herd and efforts must be made to conserve an adequate number, size, and distribution of such areas particularly in intensively farmed areas of Illinois.

Prepared by: Lonnie P. Hansen and Charles M. Nixon

LITERATURE CITED

- Andersen, J. 1953. Analysis of a Danish roe-deer population. *Danish Rev. Game Biol.* 2:127-155.
- Bryan, D.A. 1980. White-tailed deer fawn mortality, home range, and habitat utilization in east central Missouri. M.S. Thesis, Univ. Missouri, Columbia. 45pp.
- Burgoyne, G.E., Jr. 1981. Observations on a heavily exploited deer population. Pages 403-413 in C. Fowler and T. Smith, eds. *Dynamics of large mammal populations*. Wiley and Sons, New York, N.Y. 477pp.

- Calhoun, J. and F. Loomis. 1974. Prairie whitetails. Ill. Dept. of Conservation, Springfield. 49pp.
- Caughley, G. 1977. Analysis of vertebrate populations. Wiley and Sons, New York. 234pp.
- Coe, R., R. Downing, and B. McGinnes. 1980. Sex and age bias in hunter killed white-tailed deer. J. Wildl. Manage. 44:245-249.
- Downing, R. 1972. Comparison of crippling losses of white-tailed deer caused by archery, buckshot and shotgun slugs. Proc. S.E. Assoc. Game and Fish Comm. 25:77-82.
- _____. 1980. Vital statistics of animal populations. Pages 247-267 in S.D. Schemnitz, ed. Wildlife management techniques manual. The Wildlife Society, Washington, D.C.
- Gladfelter, L. 1984. Midwest agricultural region. Pages 427-440 in L.K. Halls, ed. White-tailed deer ecology and management. Stackpole Books, Harrisburg, PA.
- Grubaugh, J. 1983. Productivity of various age classes of white-tailed deer (Odocoileus virginianus) in west-central Illinois. M.S. Thesis, Western Ill. Univ., Macomb. 67pp.
- Gruver, B., D. Guynn, Jr., and H. Jacobson. 1984. Simulated effects of harvest strategy on reproduction in white-tailed deer. J. Wildl. Manage. 48:535-541.
- Hansen, L., C. Nixon, and F. Loomis. 1986. Factors affecting the daily and annual harvest of white-tailed deer in Illinois. Wildl. Soc. Bull. (In press).
- Huegel, C., R. Dahlgren, and H. Gladfelter. 1985. Mortality of white-tailed deer fawns in south-central Iowa. J. Wildl. Manage. 49:377-380.

- Karns, P. 1980. Winter - the grim reaper. North Cent. Sect. Wildl. Soc. 116pp.
- Kube, J. 1983. Assessment of deer management by Illinois landowners. Job Compl. Rep. Pittman-Robertson Proj. W-63-R-26. Ill. Dept. Conserv., Springfield. 11pp.
- _____. 1984. Opinions and preferences of Illinois deer hunters. Job. Compl. Rep. Pittman-Robertson Proj. W-63-R-26. Ill. Dept. Conserv., Springfield. 46pp.
- Lang, L. and G. Wood. 1976. Manipulation of the Pennsylvania deer herd. Wildl. Soc. Bull. 4:159-165.
- Maguire, H. and C. Severinghaus. 1954. Wariness as an influence on age composition of white-tailed deer killed by hunters. N.Y. Fish and Game J. 1:98-109.
- McCabe, R.E. and T.R. McCabe. 1984. Of slings and arrows: an historical retrospection. Pages 19-72 in L.K. Halls, ed. White-tailed deer ecology and management. Stackpole Books, Harrisburg, PA.
- McCullough, D. 1979. The George Reserve deer herd: population ecology of a K-selected species. Ann Arbor: Univ. Michigan Press. 271pp.
- Medin, D. and A. Anderson. 1979. Modeling the dynamics of a Colorado mule deer population. Wildl. Monogr. 68. Washington, D.C.: The Wildlife Society. 77pp.
- Nelson, T.A. 1984. The production and survival of white-tailed deer fawns on Crab Orchard National Wildlife Refuge. Ph.D. Thesis, Southern Illinois Univ., Carbondale. 165pp.
- Nixon, C., L. Hansen, and J. Chelsvig. 1982. Illinois deer investigation. Ill. Perf. Rep. Pittm Robertson Proj. W-87-R-3. pp.
- _____ and L. Hansen. 1985. Illinois deer investigation. Ill. Perf. Rep. Pittman Robertson Proj. W-87-R-6. 29pp.

- Ozoga, J. and L. Verme. 1985. Comparative breeding behavior and performance of yearling vs prime-age white-tailed bucks. *J. Wildl. Manage.* 49:364-372.
- Pietsch, L.R. 1954. White-tailed deer populations in Illinois. *Biol. Notes* 34. Illinois Natural History Survey, Champaign.
- Richie, W. 1970. Regional differences in weights and antler measurements of Illinois deer. *Trans. Ill. State Acad. Sci.* 63:189-197.
- Porath, W.R. 1980. Fawn mortality estimates in farmland deer range. Pages 55-63 in R.L. Hine and S. Nehls, eds. White-tailed deer population management in the North Central States. *North Cent. Sect. Wildl. Soc.* 116pp.
- Roseberry, J. 1980. Age determination of white-tailed deer in the Midwest - methods and problems. In R.L. Hine and S. Nehls, eds. White-tailed deer population management in the North Central States. *North Cent. Sect. Wildl. Soc.* 116pp.
- _____ and W. Klimstra. 1970. Productivity of white-tailed deer on Crab Orchard National Wildlife Refuge. *J. Wildl. Manage.* 34:23-28.
- _____, D. Autry, W. Klimstra, and L. Mehrhoff. 1970. A controlled deer hunt on Crab Orchard National Wildlife Refuge. *J. Wildl. Manage.* 34:23-28.
- _____ and W. Klimstra. 1974. Differential vulnerability during a controlled deer harvest. *J. Wildl. Manage.* 38:499-507.
- _____ and W. Klimstra. 1975. Some morphological characteristics of the Crab Orchard deer herd. *J. Wildl. Manage.* 39:48-58.
- Severinghaus, C. 1949. Tooth development and wear as criteria of age in white-tailed deer. *J. Wildl. Manage.* 13:195-216.

- Taber, R. and R. Dasmann. 1954. A sex difference in mortality in young Columbian black-tailed deer. J. Wildl. Manage. 18:309-315.
- Verme, L. 1968. An index of winter severity for northern deer. J. Wildl. Manage. 32:566:574.
- _____. 1983. Sex ratio variation in Odocoileus: a critical review. J. Wildl. Manage. 47:573-582.
- _____. 1985. Progeny sex ratio relationships in deer: theoretical vs. observed. J. Wildl. Manage. 49:134-136.
- Wolf, A. and J. Roseberry. 1986. Reevaluation of age determinations used in Illinois deer harvest management. Rep. submitted to Ill. Dept. Conserv., 10pp.

Performance Report

Annual Job Progress Report

State: Illinois

Project Number: W-87-R-7

Project Type: Research

Project Title: Cooperative Forest Wildlife

Sub-project VII: Illinois Deer Investigations

Period Covered: 1 July 1985 - 30 June 1986

This performance report covers a report of progress for Study VII-C and is not a completion report. The completion report for this study will be submitted 30 September 1987 under W-87-R-8 (See Study VII-D, Job VII-D-2).

Study VII-C; Title: Life History and Ecology of Deer in Intensively
Farmed Landscapes

Study Objectives:

1. To determine sex and age specific natality and mortality.
2. To determine daily, seasonal, and annual movements of deer as they relate to crop phenology, weather, and hunting pressure.
3. To evaluate the role of nutrition (digestible energy, protein, and minerals) relative to seasonal dispersion of deer in natural and cultivated plant communities.
4. To determine the importance of refuges to deer population dynamics in intensively farmed landscapes.
5. To construct population models that mimic deer population dynamics in intensively farmed landscapes.

Job No. 103-2; Title: Data analysis and reporting

Objectives: To analyze the data collected during this study and to provide the IDOC with models of population dynamics, seasonal movement patterns, and use of plant communities by deer in central Illinois.

(a) Activity:

Due to severe budget cutbacks we were not able to complete this study during the R-7 segment as originally scheduled. During this segment, we coded and loaded field data onto computer files. As of 30 June 1986, all observations and radio fixes of deer (>10,000 each) were coded and loaded onto computer tapes. Also a vegetation profile (overstory-understory-herbaceous layers) was prepared for all grids (grid = 1 hectare or 2.47 acres) covered with natural vegetation (not cultivated) on the 7,100-acre Platt County Study Area (PCSA), 4 additional summer ranges (White's, Atwood, Millers, and Goose Creek), and 1 winter range (Lodge Park) and entered onto computer files. The winter and summer cropping histories for all agricultural lands within the PCSA (for the period summer 1980 through winter 1985-86), Lodge Park area (summer 1981 through summer 1983), Atwood (summer 1980), Miller's (summer 1980, summer 1984), and Goose Creek (summer 1981, summer 1983) have also been coded and entered onto computer files.

Field Studies

No deer were captured during the R-7 segment, but we continued to radio track several deer previously marked and to make general observations of deer within the PCSA. We radio tracked 27 deer during the first quarter (July-September), 20 deer during the second quarter (October-December), and

8 deer from January through June 1986, when radio tracking was terminated. We concentrated our tracking efforts on breeding females during both summer 1985 and spring 1986 in order to evaluate: (1) fidelity to parturition sites for does that we have monitored >one fawning period; (2) location of parturition sites for related does (sisters, mother-daughter, etc.); (3) chronology of site selection, parturition, and post parturition range extension; and (4) characteristics of parturition range for primipara vs. experienced breeders although fawn mortality is so low in east-central Illinois during the first 3 months of life, <10%, that we may not be able to assess the "fitness" of a range to sustain a doe and her fawn(s) using fawn survival as the sole criteria of habitat suitability (Ozoga and Verme 1986). During the fall quarter, we concentrated our radio tracking on breeding age males (4 yearlings and 2 older males) to investigate male mobility and activity patterns during the fall breeding season. Unfortunately only 1 male survived the hunting season with radio intact. Four lost their radios by 25 November (both adults and 2 yearlings) and 1 was killed by a bow hunter in late October. We attached radios on males leaving plenty of room for neck expansion during the fall, which also greatly increased the opportunity for the radio to catch on vegetation and tear away.

Known mortalities totaled 79 deer on the PCSA between July 1985 and June 1986. There were 43 killed by shotgun hunters, 6 by archers, 17 crippled by either gun or arrow and not recovered by the hunter, 9 killed by automobiles, 2 known to have been poached, and 2 died of miscellaneous causes (1 went blind and the other broke its neck striking a fence).

Aerial deer counts over snow cover indicate that the number of deer that winter on the PCSA has increased each winter since the winter of

1980-81, from a minimum of 82 deer (1980-81) to 197 deer (1985-86), a 17.5% rate of annual increase. Legal gun and archery kills have exceeded this increase, rising from 17 in 1981 to 58 in the fall of 1985 (32% annual increase).

Crippling losses, those deer hit but unretrieved by hunters, continued to be a major cause of loss on the PCSA. We are using 3 methods to estimate the magnitude of this loss; (1) ratio of legal to crippling loss for radio marked deer, (2) same ratio for all marked deer, and (3) the ratio of legal kills to cripples found or reported for unmarked deer on the PCSA. For radio marked deer, cripples lost represent 21% of the gun harvest (4 cripples: 19 legally taken) and 87% of the archery kill (7 cripples: 8 legal kills). For other marked deer, cripples represented 24% of the legal gun kill (10 cripples: 41 legal kills) and 22% of the archery kill (4 cripples: 18 legal kills). For unmarked deer on the PCSA, cripples represented 21% of the legal gun kill (19 cripples: 92 legal kills) and 36% of the archery kill (14 cripples: 39 legal kills). There was close agreement in crippling losses among the 3 methods for gun hunting (21-24%), but not for archery kills (22-87%). An overall average of 38% (25 cripples: 65 legal kills) or 1 cripple for about every 3 deer legally killed by archers is our best estimate of the archery crippling rate. Shotgun hunters cripple about 1 deer for every 5 legally taken. We believe these rates are a reasonable estimate of crippling loss experienced by deer in central Illinois under present hunting regulations (any deer hunting).

Spotlight deer counts were conducted weekly between late August and the end of April along a 13-mile route within the central portion of the PCSA. The objectives were to observe marked deer, to evaluate spotlighting as a population trend indicator, to estimate the number of deer present in

the PCSA accessible to spotlighting using the ratio of radio marked does seen to total does seen (Lincoln Index) and a simulated age structure (for fawn and male segments of the population) to calculate deer numbers, and to determine temporal changes in fawn:doe counts to evaluate the accuracy of spotlighting as a determiner of annual recruitment.

We have found that spotlight counts do not provide accurate sex:age ratios or fawn:doe counts during most of the year. Adult bucks were under-represented in the counts throughout the year, due apparently to their secretive nature and habitat selection during some periods of the year that removed them from our spotlight route. Fawn counts were also highly variable as fawns were not consistently observed with their mothers until October, a time when hunting and breeding activities began to disrupt family groupings. A more complete analysis of our spotlight counts will be presented in the final report for Study VII-C.

(b) Target Date of Achievement: 30 September 1986

(c) Date of Accomplishment: 30 September 1987

(d) Significant Deviations: A 1-year delay caused by budget reductions.

On schedule to meet the 1987 termination date.

(e) Remarks: An outline for the final report for this study is shown in Table 22.

(f) Recommendations: None

LITERATURE CITED

Ozoga, J. and L. Verme. 1986. Relation of maternal age to fawn-rearing success in white-tailed deer. J. Wildl. Manage. 50:480-486.

Prepared by: Charles M. Nixon and Lonnie P. Hansen

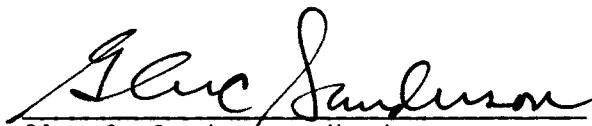
PREPARED BY:

Charles M. Nixon
Forest Wildlife Ecologist
Illinois Natural History Survey

Lonnie P. Hansen
Asst. Forest Wildlife Ecologist
Illinois Natural History Survey

Date: 26 September 1986

APPROVED BY:

A handwritten signature in cursive script, reading "Glen C. Sanderson", written over a horizontal line.

Glen C. Sanderson, Head
Section of Wildlife Research
Illinois Natural History Survey

APPENDIX 1

Legal description of land used as sites of deer concentration in winter. Legal descriptions apply to the principal forested area nearest the center of each concentration area. The 7.5' quadrangles cover a 4 mi² area used to sample the landscape characteristics of each site of deer concentration.

Table 1. Variables used to describe 4-mi² sample areas of landscapes
selected or avoided by deer in central and northern Illinois.

Area of refuge

Total forested area

% of sample area forested

Hardwood area classifications:

>50% crown closure

>50% crown closure, upland

>50% crown closure, bottomland

>50% crown closure, upland, >50 years old, wooded

>50% crown closure, upland, >50 years old, pastured

>50% crown closure, upland, <50 years old, wooded

>50% crown closure, upland, <50 years old, pastured

>50% crown closure, bottomland, >50 years old, wooded

>50% crown closure, bottomland, >50 years old, pastured

>50% crown closure, bottomland, <50 years old, wooded

>50% crown closure, bottomland, <50 years old, pastured

<50% crown closure

<50% crown closure, upland

<50% crown closure, bottomland

<50% crown closure, upland, >50 years old, wooded

<50% crown closure, upland, >50 years old, pastured

<50% crown closure, upland, <50 years old, wooded

<50% crown closure, upland, <50 years old, pastured

<50% crown closure, bottomland, >50 years old, wooded

<50% crown closure, bottomland, >50 years old, pastured

<50% crown closure, bottomland, <50 years old, wooded

<50% crown closure, bottomland, <50 years old, pastured

Area of upland forest

Area of bottomland forest

Area of pastured forest

Area of non-pastured forest

Area of shrub-old field

Table 1 - continued.

Table 1. Continued - page 2.

Area of cropland
Area of conifers
Area of pasture/grasslands
Number of occupied houses
Linear distance of unimproved roads
Linear distance of light duty roads
Linear distance of secondary roads
Linear distance of primary roads
Linear distance of Interstate highways
Number of 3.1-m (10-foot) contour lines, NE-SW orientation
Number of 3.1-m (10-foot) contour lines, NW-SE orientation
Total topographic relief
Habitat Interspersion Index

Table 2. List of less correlated landscape variables as determined from a correlation matrix for sites in east-central, west-central, and northern Illinois.

Area of refuge

Total forested area

Hardwood area classifications:

>50% crown closure, upland

>50% crown closure, bottomland

>50% crown closure, >50 years old, upland, pastured

>50% crown closure, <50 years old, upland, not pastured

<50% crown closure, upland

<50% crown closure, bottomland

<50% crown closure, >50 years old, upland, not pastured

<50% crown closure, <50 years old, bottomland, not pastured

<50% crown closure, <50 years old, upland, pastured

Total upland forest

Total bottomland forest

Total pastured forest

Total not pastured forest

Area of shrub-oldfield

Area of pasture/grasslands

Number of occupied houses

Linear distance of unimproved roads

Linear distance of light duty roads

Linear distance of secondary highways

Linear distance of primary highways

Number of 3.1-m (10-foot) contour lines, NE-SW orientation

Interspersion index

Table 3. Current status of sites of winter deer concentration in northern and central Illinois.

Deer Region	County	No. of Sites	Status of Sites		
			Protected	Threatened	Poor
1	Boone	3	2		1
	McHenry	5	3	2	
	Ogle	4	4		
	Stephenson	2	1		1
	Winnebago	5	4	1	
	Whiteside	5	2	3	
	Total	24	16	6	2
2	Bureau	6		6	
	DeKalb	7	3	4	
	Ford	2		2	
	Grundy	5	2	3	
	Henry	6	1	4	1
	Iroquois	10	1	9	
	Kankakee	7	2	4	1
	Kendall	4	1	3	
	LaSalle	10	5	5	
	Lee	9	4	5	
	Livingston	8		6	2
	McLean	7	4	3	
	Stark	4		4	
	Will	11	7	2	2
	Total	96	30	60	6
3	Henderson	11	3	8	
	Knox	11	1	10	
	Marshall	3	1	2	
	Mason	8	4	4	
	Mercer	10	1	9	
	Peoria	12	5	5	2
	Putnam	6	1	5	
	Rock Island	6	3	2	1
	Tazewell	8	2	5	
	Warren	8		8	
	Woodford	7	1	6	
	Total	90	23	64	3
4	Cass	10	3	7	
	Morgan (north half only)	6		6	
	Total	16	3	13	

Table 3 - continued.

Table 3. Continued - page 2.

5	Champaign	4	3		1
	Christian	2	1	1	
	Dewitt	4	4		
	Logan	4	1	3	
	Macon	1		1	
	Menard	5		5	
	Moultrie	4	3	1	
	Piatt	3	2	1	
	Sangamon	6	1	4	1
	Total	33	15	16	2
6	Coles	7	1	6	
	Douglas	4	1	3	
	Edgar	7		6	1
	Vermillion	9	6	3	
	Total	27	8	18	1
7	Shelby (north half only)	4	3	1	
	Total	4	3	1	
Grand Total		290	98	178	14
Percent			34	61	5

Table 4. Regional means (\bar{X}) and standard errors (SE) for variables describing the landscape, human presence, and topographic relief found in 4-m² sites of deer concentration in winter.

		Deer Region							Total n = 290
		1 n = 19	2 n = 102	3 n = 89	4 n = 16	5 n = 33	6 n = 27	7 n = 4	
Number of sites		19	102	89	16	33	27	4	290
Private ownership (%)	\bar{X}	84.3	88.7 ^a	93.2	92.2	89.0	92.9	56.0	90.0 ^b
	SE	5.36	2.32	4.10	5.25	3.02	2.89	18.69	1.21
Total Forest (ha) ⁱ	\bar{X}	312.5	194.1	322.3	291.2	212.7	277.7	214.1	256.7
	SE	42.55	12.02	14.19	47.74	14.75	19.42	25.78	9.23
Hardwoods >50% closure (ha) ^j	\bar{X}	280.0	172.5	252.6	233.2	161.6	245.0	187.6	213.2
	SE	50.14	11.43	15.28	46.72	12.26	19.22	28.09	8.10
Upland >50% closure 50+ years, not pastured (ha) ^k	\bar{X}	144.9	79.2	204.3	112.3	83.2	189.0	149.4	135.4
	SE	36.18	7.23	13.74	14.51	8.50	20.08	21.43	6.74
Upland >50% closure, 50+ years, pasture (ha) ^l	\bar{X}	112.9	46.5	6.9	11.8	8.6	7.4	6.4	27.4
	SE	31.88	6.55	1.27	2.78	1.27	1.18	2.37	3.35
Upland >50% closure, <50 years, not pastured (ha) ^m	\bar{X}	20.7	9.6	19.3	29.5	33.5	24.3	19.5	18.6
	SE	16.21	1.93	2.86	5.95	5.36	3.80	9.87	1.76
Upland >50% closure, <50 years, pasture (ha) ⁿ	\bar{X}	12.3 ^c	3.2	1.8	5.0	3.5	1.2	0	3.2 ^d
	SE	5.75	0.72	0.97	1.69	1.83	1.50	--	0.57
Bottom >50% closure, 50+ years, not pastured (ha)	\bar{X}	7.3	24.4	15.8	50.5	26.4	20.4	12.3	21.7
	SE	4.26	6.86	5.33	36.05	8.01	3.60	7.73	3.66
Bottom >50% closure, 50+ years, pasture (ha)	\bar{X}	0 ^c	3.3	0	0	1.9	0.2	0	1.4 ^d
	SE	--	0.98	--	--	1.32	0.22	--	0.39
Bottom >50% closure, <50 years, not pastured (ha)	\bar{X}	1.0	2.6	0.9	24.1	5.0	2.5	0	3.4
	SE	0.85	0.97	0.62	23.43	1.73	0.75	--	1.36
Bottom >50% closure, <50 years, pasture (ha)	\bar{X}	0 ^c	0.3	0	0	0	0	0	0.1 ^d
	SE	--	0.15	--	--	--	--	--	0.05

Table 4 - continued.

Table 4. Continued - page 2.

		Deer Region							Total n = 290
		1 n = 19	2 n = 102	3 n = 89	4 n = 16	5 n = 33	6 n = 27	7 n = 4	
Hardwoods <50% closure (ha) ^o	\bar{X}	54.1	21.3	52.7	57.9	49.0	32.5	26.6	39.4
	SE	11.11	2.32	4.87	8.63	7.15	2.21	12.07	2.25
Upland <50% closure, 50+ years, not pastured (ha)	\bar{X}	1.4	0.7	11.1	4.1	4.0	2.0	4.1	4.6
	SE	0.87	0.28	2.07	1.13	1.28	0.51	1.58	0.71
Upland <50% closure, 50+ years, pasture (ha)	\bar{X}	23.8 ^c	11.4	19.6	16.3	11.3	15.5	18.0	15.4 ^d
	SE	5.57	1.80	2.48	4.03	2.47	1.49	9.77	1.14
Upland <50% closure, <50 years, not pastured (ha)	\bar{X}	4.4	1.1	7.9	12.2	11.7	2.2	0.3	5.3
	SE	3.20	0.40	2.79	4.59	3.71	0.72	0.25	1.04
Upland <50% closure, <50 years, pasture (ha)	\bar{X}	24.3 ^c	5.8	13.0	25.1	12.0	10.9	3.0	11.3 ^d
	SE	5.73	1.06	3.08	6.55	2.23	1.29	2.95	1.21
Bottom <50% closure, 50+ years, not pastured (ha)	\bar{X}	3.5	6.6	0.1	0.1	7.1	0.6	1.3	3.5
	SE	3.55	6.33	0.06	0.10	3.53	0.34	1.30	2.27
Bottom <50% closure, 50+ years, pasture (ha)	\bar{X}	0.8 ^c	1.0	0.5	0	0.8	0.3	0	0.7 ^d
	SE	0.83	0.34	0.29	--	0.43	0.19	--	0.17
Bottom <50% closure, <50 years, not pastured (ha)	\bar{X}	2.2	1.0	0.3	0	1.6	0.5	0	0.8
	SE	2.22	0.51	0.20	--	0.98	0.29	--	0.26
Bottom <50% closure, <50 years, pasture (ha)	\bar{X}	1.6 ^c	0.6	0.3	0	0.4	0.5	0	0.5 ^d
	SE	1.46	0.23	0.23	--	0.23	0.35	--	0.14
Shrub-Oldfield (ha)	\bar{X}	36.8	37.5	24.2	28.1	37.2	32.3	34.3	32.3
	SE	18.75	11.77	4.48	5.27	8.10	3.98	11.29	4.64
Railroad Right of Way (ha) ^p	\bar{X}	1.6	1.5	0.5	0	11.5	3.6	15.4	2.7
	SE	1.20	0.36	0.18	--	4.15	2.22	15.38	0.60
Cropland (ha) ^q	\bar{X}	585.0	704.6	637.3	626.1	708.5	683.1	611.4	668.9
	SE	54.10	19.15	16.23	51.12	21.32	21.65	71.88	10.24
Conifers (ha)	\bar{X}	5.6	1.6	4.2	12.8	2.6	1.4	2.8	3.39
	SE	2.59	0.58	2.45	11.24	2.13	0.42	2.78	1.04

Table 4 - continued.

Table 4. Continued - page 3.

		Deer Region							
		1	2	3	4	5	6	7	Total
		n = 19	n = 102	n = 89	n = 16	n = 33	n = 27	n = 4	n = 290
Pasture (ha)	\bar{X}	38.1	44.0	25.8	30.8	24.1	14.9	11.3	31.9
	SE	9.00	5.76	2.09	4.64	3.21	2.20	5.77	2.33
Other (water, mines, etc.) (ha) ^r	\bar{X}	19.0	38.1	19.5	22.6	35.1	24.6	146.8	30.2
	SE	6.97	6.20	4.82	19.03	12.68	7.32	84.79	3.54
No. of occupied houses	\bar{X}	45.9	47.6	33.2	19.0	35.4	38.3	15.5	38.8
	SE	9.11	5.77	4.48	4.87	7.09	4.79	3.93	2.73
Unimproved roads (km)	\bar{X}	4.2	6.1	5.0	6.6	2.9	3.1	1.9	5.0
	SE	0.87	1.54	0.88	1.36	0.43	0.35	0.61	0.62
Light duty roads (km)	\bar{X}	8.5	10.2	11.2	8.6	10.0	11.8 ^e	10.6	10.4 ^f
	SE	1.27	0.68	1.54	1.44	1.07	1.11	2.42	0.57
Secondary highways (km)	\bar{X}	3.2	4.1	1.4	0.6	1.4	0.7 ^e	2.6	2.38 ^f
	SE	0.65	1.05	0.25	0.35	0.33	0.23	1.96	0.39
Primary highways (km)	\bar{X}	1.2	1.7	0.4	0	0.3	0.1 ^g	0	0.9 ^h
	SE	0.50	0.63	0.13	--	0.18	0.14	--	0.23
Interstate highways (km)	\bar{X}	0.2	0.3	0.1	0	0.2	0	0	0.2
	SE	0.13	0.14	0.07	--	0.15	--	--	0.06
Northeast transect (No. of 3.1 m contour lines) ^s	\bar{X}	54.6	43.5	84.1	66.5	49.1	56.1	60.8	59.8
	SE	6.34	2.42	3.59	7.42	4.78	5.01	3.61	1.95
Northwest transect (No. of 3.1 m contour lines) ^t	\bar{X}	50.6	42.2	82.1	62.0	50.7	68.9	61.8	59.8
	SE	4.58	2.54	3.57	6.20	4.83	6.97	2.69	1.96
Total topographic relief (m) ^u	\bar{X}	146.6	92.8	138.3	105.3	83.8	116.2	96.3	112.1
	SE	11.21	5.27	6.29	13.02	7.87	11.71	14.05	3.44

a n = 101

b n = 289

c n = 16

d n = 287

e n = 26

f n = 289

g n = 25

h n = 288

i Region 2 significantly lower than Regions 1, 3, 4, and 6; Regions 5 and 7 significantly lower than Regions 1, 3, and 4.

j Regions 5 and 2 significantly lower than Regions 1, 3, and 6.

k Region 2 significantly lower than Region 6.

l Region 1 significantly higher than all other regions.

m Region 2 significantly lower than Regions 4, 5, and 6; Region 2 significantly lower than Region 5.

n Region 1 significantly higher than all other regions.

o Region 2 significantly lower than Region 4.

p Region 5 and 7 significantly higher than all other regions.

q Region 1 significantly lower than Regions 2 and 5.

r Region 7 significantly higher than all other regions.

s Region 2 significantly lower than Regions 3 and 4; Region 3 significantly higher than Regions 1, 5, and 6.

t Region 2 significantly lower than Regions 3, 4, and 6; Regions 1 and 5 significantly lower than Region 3.

u Region 5 significantly lower than Regions 1, 3, and 6; Region 2 significantly lower than Regions 1 and 3.

Table 5. Landscape characteristics that discriminate between areas that deer select and avoid in winter in east-central, west-central, and northern Illinois. Variables were measured on 4-mi² sample blocks centered on areas deer select or avoid in winter.

Area	Variables	Effect	F-value ^a (1-way ANOVA)		F-value ^b covariant analysis	
East-central 25 sites (12 attract and 13 avoided)	1. Refuge (ha)	Attract	34.5	P<0.001	34.5	P<0.001
			1,23		1,23	
	2. Upland forest >50% crown closure, >50 years, pastured (ha)	Attract	3.9	P<0.10	9.3	P<0.05
			1,23		2,22	
	3. Shrub-oldfield (ha)	Attract	5.3	P<0.10	1.4	P>0.10
			1,23		3,21	
Variables selected with refuge variable removed:						
	1. Upland forest (ha)	Attract	17.4	P<0.001	17.4	P<0.001
			1,23			
	2. Shrub-oldfield (ha)	Attract	5.3	P<0.10	6.2	P<0.05
			1,23			
	3. Upland forest >50% crown closure, >50 years, pastured (ha)	Attract	3.9	P>0.10	3.3	P>0.10
			1,23			
West-central 13 sites (8 attract and 5 avoided)	1. Improved pasture (ha)	Attract	7.4	P<0.05	7.4	P<0.05
			1,11		1,11	
	2. Upland forest <50% crown closure, <50 years pastured (ha)	Avoid	5.4	P<0.10	3.7	P<0.10
			1,11		2,10	
Variables selected with variable pasture removed:						
	1. Upland forest <50% crown closure, <50 years, pastured (ha)	Avoid	5.4	P<0.10	5.4	P<0.10
			1,11		1,11	
	2. Refuge (ha)	Attract	5.1	P<0.10	3.1	P<0.10
			1,11		2,10	

Table 5 - continued.

Table 5. Continued - page 2.

Area	Variables	Effect	F-value ^a (1-way ANOVA)		F-value ^b covariant analysis	
Northern 15 sites (8 attract and 7 avoided)	1. Refuge (ha)	Attract	14.9	P<0.001	14.9	P<0.001
			1,13		1,13	
	2. Upland forest >50% crown closure, <50 years, pastured (ha)	Attract	6.8	P<0.05	11.9	P<0.01
			1,13			
	3. Upland forest <50% crown closure, <50 years, pastured (ha)	Attract	4.6	P=0.10	3.1	P>0.10
			1,13			
	4. Unpastured forest (ha)	Attract	2.7	P>0.20	4.0	P<0.10
Variables selected with variable refuge removed:						
	1. Upland forest >50% crown closure, >50 years, pastured (ha)	Attract	9.7	P<0.05	9.7	P<0.05
			1,13		1,13	
	2. Upland forest <50% crown closure, <50 years, pastured (ha)	Attract	4.6	P<0.10	1.5	P<0.20
			1,13		2,12	
	3. Shrub-oldfield (ha)	Attract	2.2	P>0.20	3.8	P<0.20
			1,13		3,11	

^a The F-statistic for each variable was computed from a 1-way ANOVA on that variable for the 2 groups (attract or avoided).

^b The F-statistic was computed from a 1-way analysis of covariance where the covariants were the previously entered variables.

Table 6. Classification of sites of deer concentration and sites avoided by deer in winter using models derived from landscape characteristics for sites in east-central, west-central, and northern Illinois.

		All Variables(%) ^a	Jackknife Procedure(%) ^b
East-central 25 sites (13 sites attract and 12 sites avoided)	3 variables including refuge	Attract - 92	Attract - 85
		Avoid - 100	Avoid - 92
	3 variables minus refuge	Attract - 77	Attract - 77
		Avoid - 83	Avoid - 83
West-central 13 sites (8 attract and 5 avoided)	2 variables minus refuge	Attract - 75	Attract - 75
		Avoid - 100	Avoid - 80
	2 variables including refuge	Attract - 88	Attract - 75
		Avoid - 100	Avoid - 60
Northern 15 sites (8 attract and 7 avoided)	4 variables including refuge	Attract - 100	Attract - 88
		Avoid - 100	Avoid - 100
	3 variables minus refuge	Attract - 75	Attract - 75
		Avoid - 100	Avoid - 100

^a See Table 2 for list of variables used to classify sites.

^b The Jackknife Procedure removes each site one at a time and then attempts to classify each site based on the model developed from the remaining sites.

Table 7. Variables used to group Illinois counties into regions.

Proportion of county in:

- Forest (dates variable)
- Corn (1979)
- Soybeans (1979)
- OWRBS (oats, wheat, rye, barley, sorghum - 1979)
- Hay (1979)
- Other (Land in pasture, farmstead, and idle acres - 1979)
- Urban areas (1977)
- Rural areas (1977)
- Roads (Federal and state roads - 1977)

Density of:

- Hunters (1983)
- Deer (1983)
- Human population (1980)
- Hunter success (proportion of firearm deer hunters harvesting a deer - 1983)

Table 8. Table showing the counties in each region determined by grouping at the 0.8 cluster level.

Region	Counties
1	Adams Schuyler Pike Brown
2	Alexander
3	Calhoun Union Hardin
4	Jackson
5	Jefferson Massac
6	Williamson
7	Bond Clay Marion Fayette White Crawford ¹ Macoupin Montgomery Wayne Edgar Shelby Mason Wabash Menard Jasper Morgan Gallatin Clark Richland Cumberland Hamilton Lawrence Effingham Franklin
8	Cass Greene Saline Jersey Henderson Mercer Fulton Scott Edwards Hancock Knox McDonough Putnam
9	Monroe Perry Randolph Pulaski
10	Boone Whiteside Ogle Henry
11	Bureau Marshall Champaign Coles LaSalle DeWitt Ford Iroquois Lee Stark Christian Dekalb McLean Douglas Livingston Moultrie Woodford Warren Vermilion Kendall Grundy Logan Piatt

Table 8. Continued - page 2.

12	_____	Kankakee Sangamon	Macon Tazewell
13	_____	McHenry	Peoria
14	_____	Madison	
15	_____	Clinton	Washington
16	_____	Carroll	
17	_____	Stephenson	
18	_____	JoDaviess	
19	_____	Johnson	
20	_____	Rock Island	
21	_____	Will	Winnebago
22	_____	StClair	
23	_____	Pope	

Table 9. Table showing the counties in each region determined by grouping at the 1.0 cluster level.

Region		Counties			
1		Adams Schuyler Alexander Union	Pike Brown Calhoun Hardin		
2			Jackson		
3			Jefferson Massac Williamson		
4		Bond Fayette Macoupin Richland Franklin Mason Morgan Cumberland Cass Scott Jersey Knox Putnam Perry Ogle Bureau Marshall	Clay White Montgomery Hamilton Edgar Wabash Gallatin Lawrence Fulton Saline Hancock Mercer Monroe Pulaski Whiteside Lee Stark	Marion Crawford Wayne Jasper Shelby Menard Clark Effingham Greene Edwards Henderson McDonough Randolph Boone Henry Woodford Warren	Champaign Christian Vermilion Coles Dekalb Kendall LaSalle McLean Grundy DeWitt Douglas Logan Ford Livingston Piatt Iroquois Moultrie
5		Kankakee Sangamon McHenry	Macon Tazewell Peoria	Madison	
6			Clinton	Washington	
7			Carroll		
8			Stephenson		
9			JoDaviess	Johnson	
10			Rock	Island	
11			Will	Winnebago	

Table 9. Continued - page2.

12	-----	StClair
----	-------	---------

13	-----	Pope
----	-------	------

Table 10. Regional harvest of white-tailed deer from 1957 through 1985 in Illinois.

Period	Deer Harvest	Region							
		1	2	3	4	5	6	7	8
1	No. of deer	1148	158	132	110	--	--	142	1107
1957-1961	No./Km ² ^a	0.88	0.14	0.05	0.03	--	--	0.03	0.28
2	No. of deer	1467	343	1040	459	32	--	595	3093
1962-1966	No./Km ²	1.12	0.30	0.36	0.13	0.06	--	0.12	0.79
3	No. of deer	1461	564	1858	854	105	149	966	2608
1967-1971	No./Km ²	1.11	0.49	0.64	0.25	0.20	0.07	0.20	0.66
4	No. of deer	1672	959	3071	1798	287	435	1873	2916
1972-1976	No./Km ²	1.27	0.83	1.06	0.52	0.55	0.21	0.38	0.74
5	No. of deer	2011	1237	3851	2907	490	857	3212	3743
1977-1981	No./Km ²	1.53	1.07	1.33	0.84	0.94	0.42	0.66	0.95
6	No. of deer	3085	2030	5026	4413	933	1702	5112	4318
1982-1985	No./Km ²	2.35	1.76	1.73	1.27	1.80	0.83	1.04	1.10

^a Number harvested per Km² of forest. Forested land taken from Peter Roberts, Illinois Department of Conservation.

Table 11. Percentage of the total harvest of white-tailed deer taken during each day of the 6-day gun season in Illinois. Data from years 1980 through 1985.

Day of Season		Male					Female				
		Age (years)					Age (years)				
		0.5	1.5	2.5	3.5	4.5+	0.5	1.5	2.5	3.5	4.5+
1	\bar{X}	28.5	40.8	39.7	38.4	36.5	24.2	27.2	25.0	22.8	23.0
	SE	0.859	0.866	0.898	1.253	1.872	0.796	0.950	0.995	1.255	1.268
2	\bar{X}	23.7	25.0	23.9	24.9	27.1	21.3	22.4	22.6	21.8	19.9
	SE	0.658	0.592	0.680	0.747	1.753	0.688	0.530	0.832	0.824	1.045
3	\bar{X}	17.4	14.7	14.3	15.0	16.8	16.3	16.5	14.3	16.5	18.1
	SE	0.603	0.525	0.587	0.617	1.504	0.523	0.594	0.597	0.727	1.686
First 3 days		69.6	80.5	77.9	78.3	80.4	61.8	66.1	61.9	61.1	61.0
4	\bar{X}	9.8	7.5	8.4	7.6	6.7	11.1	11.7	12.8	11.9	11.8
	SE	0.427	0.303	0.470	0.537	0.806	0.471	0.557	0.610	0.680	1.363
5	\bar{X}	10.7	6.6	7.6	8.1	7.4	13.9	12.0	13.4	14.4	16.0
	SE	0.405	0.276	0.308	0.671	0.749	0.422	0.388	0.543	0.525	1.563
6	\bar{X}	9.9	5.4	6.1	6.0	5.5	13.2	10.2	11.9	12.6	11.2
	SE	0.447	0.286	0.377	0.543	0.785	0.491	0.590	0.541	0.744	1.055
Last 3 days		30.4	19.5	22.1	21.7	19.6	38.2	33.9	38.1	38.9	39.0

Table 12. Percentage of the total harvest of white-tailed deer taken during each day of the 6-day gun season for each region in Illinois.

Region		Day of Season							
		1	2	3	First 3 days	4	5	6	Last 3 days
1	\bar{X}	30.9	21.6	14.5	67.0	11.6	12.2	9.2	33.0
	SE	1.432	1.010	0.529		0.556	0.736	0.673	
2	\bar{X}	30.0	21.1	17.2	68.5	10.3	11.0	10.2	31.5
	SE	1.413	0.951	0.878		0.800	0.967	0.911	
3	\bar{X}	29.9	21.6	14.9	66.4	12.6	11.7	9.3	33.6
	SE	1.112	0.578	0.400		0.554	0.592	0.560	
4	\bar{X}	29.0	24.1	17.2	70.3	8.4	11.8	9.5	29.7
	SE	1.305	0.634	4.278		0.525	0.535	0.567	
5	\bar{X}	29.9	24.5	18.4	72.8	9.5	9.6	8.1	27.2
	SE	1.478	0.955	1.184		0.774	0.847	0.793	
6	\bar{X}	29.8	22.0	17.5	69.3	8.4	12.2	10.1	30.7
	SE	1.647	0.949	1.003		0.581	1.063	0.808	
7	\bar{X}	29.0	23.9	16.1	69.0	10.6	10.5	9.9	31.0
	SE	1.440	0.616	0.587		0.793	0.526	0.572	
8	\bar{X}	36.3	27.2	12.2	75.7	7.9	9.1	7.3	24.3
	SE	1.252	4.154	0.660		0.433	0.514	0.495	
Overall	\bar{X}	30.6	23.3	16.0	69.9	9.9	11.0	9.2	30.1
	SE	0.501	0.298	0.287		0.238	0.269	0.245	

Table 13. Regional and temporal differences in trends in sex ratios of harvested deer in Illinois, 1957-1985. The value in each age class is the average % males for the years listed.

Period		Region							
		1	2	3	4	5	6	7	8
1 1957-1961	0.5 a	51	35	74	40	--	--	43	52
	1.5 b	53	52	46	52	--	--	49	58
	2.5 c	52	45	55	49	--	--	53	50
	3.5+ d	64	80	71	67	--	--	76	68
2 1962-1966	0.5	56	54	54	54	28	--	54	55
	1.5	53	59	56	53	73	--	56	61
	2.5	52	56	58	56	52	--	60	51
	3.5+	61	61	71	79	68	--	71	59
3 1966-1971	0.5	55	55	56	56	56	65 a	55	58
	1.5	59	57	58	60	46	44	58	66
	2.5	52	55	57	59	54	50	58	52
	3.5+	55	67	64	70	62	83	66	49
4 1972-1976	0.5	56	56	58	58	57	60	57	57
	1.5	61	63	62	58	59	61	61	67
	2.5	52	62	54	56	62	60	59	55
	3.5+	48	63	56	68	74	65	69	54
5 1977-1981	0.5	57	56	57	58	59	58	58	57
	1.5	62	61	63	60	64	61	62	66
	2.5	55	62	54	56	62	60	59	55
	3.5+	47	64	51	57	71	70	61	52
6 1982-1985	0.5	60	59	56	57	57	57	59	60
	1.5	67	66	66	65	69	66	65	69
	2.5	58	61	55	56	62	62	60	58
	3.5+	48	59	49	52	64	65	58	55

^a Percentage of 0.5 year olds in the harvest that were males-- significantly ($P < 0.05$) lower in periods 1 and 2 than during 3, 4, 5, or 6. No significant regional differences.

^b Percentage of 1.5 year olds in the harvest that were males-- significantly lower during periods 1 and 2 than 3, 4, 5, 6; lower in period 3 than period 6. Significantly lower in regions 4 and 7 than in 8.

c Percentage of 2.5 year olds in the harvest that were males-- significantly lower during period 1 than during all other periods. Significantly lower in regions 1, 3, 4, and 8 than in 6, 2, and 5.

d Percentage of 3.5+ year olds in the harvest that were males-- significantly lower during periods 6 and 5 than during 1 and 2; lower during periods 3 and 4 than during 1. Significantly lower in region 1 than in 4, 2, 7, 6, and 5; lower in regions 3 and 8 than in 2, 7, 6, and 5; lower in region 4 than in 5.

Table 14. Regional and temporal differences in trends in age structure in Illinois between 1957 and 1985. The % in each age class is an average for the years listed.

Period	Age Class	Deer Management Region							
		1	2	3	4	5	6	7	8
1 1952-1961	0.5 a	36	15	18	13	--	--	28	31
	1.5 b	23	26	28	25	--	--	20	26
	2.5 c	19	26	23	25	--	--	21	20
	3.5+ d	21	33	32	38	--	--	33	24
2 1962-1966	0.5	43	36	38	36	34	--	35	37
	1.5	23	21	25	26	24	--	24	28
	2.5	17	21	21	20	24	--	21	20
	3.5+	17	23	16	17	25	--	20	15
3 1967-1971	0.5	43	38	40	42	34	45	37	39
	1.5	27	27	27	28	24	28	30	31
	2.5	20	20	20	19	18	20	19	18
	3.5+	11	14	13	11	24	7	14	12
4 1972-1976	0.5	41	34	42	40	31	38	35	33
	1.5	30	33	29	29	32	28	30	36
	2.5	20	21	19	20	24	22	22	20
	3.5+	9	12	8	11	13	11	13	12
5 1977-1981	0.5	37	30	38	39	28	33	33	31
	1.5	32	35	32	31	36	31	36	36
	2.5	21	24	20	18	24	22	20	20
	3.5+	10	10	11	11	12	14	10	13
6 1982-1985	0.5	37	31	37	39	31	36	35	31
	1.5	34	35	33	32	37	34	34	36
	2.5	19	26	18	17	20	20	20	21
	3.5+	10	11	10	13	12	10	11	12

^a In a 3 way analysis of variance, percentage of harvest consisting of 0.5 year olds - significantly ($P \leq 0.05$) lower in period 1 than in all other periods; periods 5 and 6 significantly lower than period 3. Significantly lower in region 5 than in regions 1, 3, 4, 6, 7; lower in regions 2 and 8 than in 6, 1, 2, and 4; lower in region 7 than in 1, 3, and 4 and lower in region 6 than in 3 and 4.

b Percentage of the harvest consisting of 1.5 year olds - significantly lower in periods 1 and 2 than in 4, 5, and 6; significantly lower in period 3 than in 5 and 6, and lower in period 4 than in 6. Significantly lower in regions 4 and 6 than in 2, 5, 8; lower in region 3 than in 5 and 8; and lower in region 1 than in 8.

c Percentage of harvest consisting of 2.5 year olds - significantly lower in period 3 than in period 1. Significantly lower in region 4 than in 2, 5, and 6; significantly lower in regions 3 and 1 than in 2 and 5.

d Percentage of harvest consisting of 3.5+ year olds - significantly lower in periods 3, 4, 5, and 6 than in periods 1 or 2; significantly lower in period 2 than in 1. Significantly lower in region 1 than in 5.

Table 15. Regional and temporal differences in annual mortality (percent)
(reconstructed) of sex-age classes of deer in Illinois. Fawn mortality
is from fall to fall (6-18 months).

Period	Sex-age	Region								
		1	2	3	4	5	6	7	8	
1 1957-1961 a	Male									
	Fawn b	\bar{X}	33.6	9.6	9.0	6.2	--	--	9.0	19.4
		SE	2.99	5.26	2.95	3.37	--	--	3.00	1.99
	Yearling	\bar{X}	33.8	21.6	13.6	19.2	--	--	11.5	28.0
		SE	2.82	2.73	2.38	1.69	--	--	6.50	3.56
	Female									
	Fawn	\bar{X}	35.4	14.6	8.2	11.6	--	--	18.5	24.8
		SE	2.73	5.84	3.06	3.39	--	--	5.50	2.44
2 1962-1966	Yearling	\bar{X}	36.4	29.4	27.8	24.2	--	--	17.5	31.2
		SE	3.44	5.24	3.76	8.24	--	--	3.50	3.76
	Male									
	Fawn	\bar{X}	47.0	34.2	31.4	30.2	10.2	--	28.4	38.8
		SE	0.95	3.41	3.54	3.17	3.38	--	3.44	2.80
	Yearling	\bar{X}	42.6	32.8	33.8	34.0	13.4	--	32.2	51.6
		SE	3.49	3.29	2.27	3.35	5.16	--	4.07	4.06
	Female									
3 1967-1971	Fawn	\bar{X}	46.4	39.4	37.4	34.4	17.0	--	34.6	39.2
		SE	1.50	1.83	3.50	1.40	3.36	--	3.12	2.33
	Yearling	\bar{X}	45.4	34.8	41.8	42.8	28.0	--	39.2	42.2
		SE	2.25	3.46	1.62	3.88	5.23	--	2.99	4.12
	Male									
	Fawn	\bar{X}	40.6	31.6	35.0	32.6	28.0	20.5	30.2	37.4
		SE	1.29	1.60	1.38	2.18	4.72	12.5	2.60	0.93
	Yearling	\bar{X}	50.6	40.2	45.0	41.8	27.0	18.0	43.6	57.0
		SE	2.34	2.87	2.88	2.89	3.95	13.0	1.96	1.30
	Female									
	Fawn	\bar{X}	42.0	36.6	37.6	39.2	29.6	20.5	35.0	39.6
		SE	2.10	2.01	1.94	2.22	4.27	16.5	2.05	0.51
	Yearling	\bar{X}	43.4	44.2	43.4	46.6	40.8	27.5	48.2	43.2
		SE	1.78	5.13	3.23	2.06	6.01	1.15	3.25	2.42

Table 15 - continued.

Table 15. Continued - page 2.

4 1972-1976	Male										
	Fawn	\bar{X}	39.8	29.0	38.6	37.0	24.8	30.2	29.4	28.6	
		SE	1.46	1.05	1.08	1.48	2.01	1.53	2.79	1.03	
	Yearling		\bar{X}	54.8	47.2	49.8	44.2	37.8	38.2	43.6	54.6
		SE	1.50	2.31	1.28	1.36	2.15	2.24	2.25	1.29	
	Female										
	Fawn	\bar{X}	38.8	35.2	38.8	37.2	31.4	34.2	32.2	33.0	
		SE	1.39	1.96	0.86	1.77	2.23	4.16	1.93	2.02	
5 1977-1981	Male										
	Fawn	\bar{X}	33.8	25.2	35.4	35.6	22.8	27.0	28.8	29.0	
		SE	2.24	0.80	1.03	0.68	1.59	1.64	0.97	0.71	
	Yearling		\bar{X}	52.2	48.4	53.8	49.2	47.4	42.4	51.6	56.6
		SE	1.39	3.37	2.99	1.85	1.89	2.18	1.36	1.69	
	Female										
	Fawn	\bar{X}	34.4	29.2	35.6	34.6	26.6	30.2	31.4	32.6	
		SE	2.09	1.32	1.29	0.93	2.64	1.16	1.36	1.21	
	Yearling		\bar{X}	42.6	46.6	42.2	42.6	45.2	42.8	48.4	42.8
		SE	1.94	2.66	1.71	2.20	1.83	0.58	1.83	1.46	

^a Fawn mortality significantly lower in period 1 than in all other periods.
Yearling mortality significantly lower in periods 1 and 2 than in all other periods.

^b Fawn mortality significantly lower than yearling mortality. Fawn mortality in Region 1 significantly lower than in Regions 2, 3, 4, 5, 6 and 7.

Table 16. Regional and temporal differences in fawn:doe ratios (F:D) and fawn:doe unit ratios (F:DU - No. of fawns - No. 1.5-year-old does + 2X No. of ≥ 2.5 -year-old does) in deer harvested during the gun season in Illinois between 1957 and 1985. The percent in each class is an average for each period.

Period		Region							
		1	2	3	4	5	6	7	8
1	F:D ^a								
1957-1961	F:DU ^b	0.82	0.28	0.34	0.24	--	--	0.63	0.70
2	F:D	1.73	1.38	1.61	1.44	0.82	--	1.43	1.38
1962-1966	F:DU	1.09	0.83	1.04	0.95	0.54	--	0.92	0.87
3	F:D	1.70	1.53	1.64	1.91	1.11	1.70	1.49	1.51
1967-1971	F:DU	1.09	1.00	1.08	1.28	0.72	1.20	1.01	0.96
4	F:D	1.64	1.40	1.79	1.72	1.24	1.67	1.37	1.32
1972-1976	F:DU	1.06	0.94	1.17	1.16	0.85	1.08	0.89	0.86
5	F:D	1.39	1.00	1.49	1.57	1.11	1.32	1.29	1.18
1977-1981	F:DU	0.90	0.78	0.96	1.04	0.75	0.87	0.88	0.76
6	F:D	1.49	1.20	1.45	1.55	1.33	1.58	1.42	1.23
1982-1985	F:DU	0.97	0.78	0.94	1.00	0.89	1.05	0.93	0.79
Overall	F:D	1.55	1.16	1.41	1.43	1.11	1.54	1.37	1.28
	F:DU	0.99	0.77	0.92	0.94	0.74	1.03	0.90	0.82

^a Fawn:doe ratios were significantly lower ($P < 0.05$) in regions 2, 5 and 8 than in regions 1, 6, 3 and 4. Fawn:doe ratios were significantly lower in period 1 than in all other periods; ratios during period 5 were lower than during periods 4 and 3.

^b Fawn:doe unit ratios were significantly lower in region 8 than in regions 1, 6, 3 and 4; ratios were lower in regions 2 and 5 than in 3, 4 and 6; ratios were lower in region 7 than in 4. Fawn:doe ratios were significantly lower in period 1 than in all other periods; ratios during period 5 were lower than during periods 3 and 4.

Table 17. Input values for demographic parameters of deer populations for county simulations in Illinois.

I. Reproduction					
Age at breeding	Percent breeding Regions 1-7	Region 8	No. of young Regions 1-7	Region 8	Male:female ratio at birth
Fawns	70	50	1.1	1.0	53:47
Yearlings	100	100	2.0	2.0	53:47
Adults	100	100	2.1	2.0	53:47
II. Mortality - proportion dying					
	Age				
	0.5	1.5	2.5	3.5	4.5+
Summer					
Male ^a	0.10 ^b	0.05	0.05	0.05	0.10
Female	0.10 ^b	0.07	0.07	0.10	0.17
Winter-Spring					
Male ^a	0.08	0.05	0.05	0.05	0.10
Female	0.11	0.07	0.07	0.10	0.17
Hunting Season					
Variable--depends on annual firearm and archery kills.					
III. Initial population size ^c - proportion in each sex-age class on June 1					
	Age				
	1.0	2.0	3.0	4.0	
Male	0.258	0.110	0.056	0.054	
Female	0.224	0.117	0.070	0.112	

^a Yearling and adult male summer and winter-spring mortality rates were varied among counties depending on antlered harvest rates.

^b Fawn mortality rates were 0.15 for counties in Region 8.

^c Initial population varied among counties, depending on population estimate.

8745

Table 18. Deer harvest, pre-hunt herd status, and hunter demands for permits in 98 counties in Illinois.

Year	Harvest		No. of Hunters	% of Hunters Successful	Estimated No. of Deer - 1 October	Deer Density ^a		Hunter ^c Demand for Permits
	Gun	Bow				No./mi ²	No./mi ² of Forest ^b	
<u>ADAMS</u>								
1980	816		2115	39	3894	4.5(1.7)	22.6(8.7)	
1981	782		2126	37	3986	4.6(1.8)	23.1(8.9)	1301(100)
1982	784	47	2139	37	4251	4.9(1.9)	24.6(9.5)	1425(100)
1983	998	46	2326	43	4564	5.3(2.0)	26.5(10.2)	1650(100)
1984	1056	47	2428	44	4586	5.3(2.0)	26.6(10.3)	1848(100)
1985	1075	56	2635	41	4577	5.3(2.0)	26.5(10.2)	2094(100)
1986					4474	5.2(2.0)	25.9(10.0)	
<u>ALEXANDER</u>								
1980	263		1254	21	1168	5.2(2.0)	11.4(4.4)	
1981	225		1260	18	1106	4.9(1.9)	10.8(4.2)	696(100)
1982	192	9	1156	17	1096	4.9(1.9)	10.7(4.1)	595(100)
1983	217	7	966	23	1183	5.3(2.0)	11.5(4.4)	636(100)
1984	274	10	954	29	1249	5.6(2.2)	12.1(4.7)	644(100)
1985	223	6	1153	19	1240	5.5(2.1)	12.1(4.7)	742(100)
1986					1330	5.9(2.3)	12.9(5.0)	
<u>BOND</u>								
1980	108		367	29	541	1.4(0.5)	6.8(2.6)	
1981	122		376	32	552	1.4(0.6)	7.0(2.7)	285(70)
1982	115	16	405	28	557	1.5(0.6)	7.0(2.7)	373(54)
1983	121	18	449	27	613	1.6(0.6)	7.7(3.0)	448(45)
1984	165	22	408	40	690	1.8(0.7)	8.7(3.4)	483(41)
1985	190	29	449	42	705	1.8(0.7)	8.9(3.4)	566(44)
1986					632	1.7(0.6)	8.0(3.1)	
<u>BOONE</u>								
1980	41		217	19	206	0.7(0.3)	13.9(5.4)	
1981	34		218	16	205	0.7(0.3)	13.8(5.3)	87(100)
1982	37	2	221	17	237	0.8(0.3)	15.9(6.2)	107(100)
1983	55	5	234	24	276	1.0(0.4)	18.5(7.2)	164(100)
1984	61	6	229	27	303	1.1(0.4)	20.4(7.9)	224(89)
1985	73	12	273	27	313	1.1(0.4)	21.1(8.1)	232(100)
1986					323	1.1(0.4)	21.7(8.4)	
<u>BROWN</u>								
1980	408		1226	33	2092	6.8(2.6)	20.2(7.8)	
1981	457		1334	34	2219	7.2(2.8)	21.4(8.3)	559(100)
1982	505	7	1361	37	2328	7.6(2.9)	22.4(8.7)	599(100)
1983	577	18	1434	40	2400	7.8(3.0)	23.1(8.9)	720(100)
1984	608	28	1372	44	2418	7.9(3.0)	23.3(9.0)	825(100)
1985	621	19	1474	42	2379	7.7(3.0)	22.9(8.8)	957(100)
1986					2327	7.6(2.9)	22.4(8.7)	

Table 18. - continued.

Table 18. Continued - page 2.

Year	Harvest		No. of Hunters	% of Hunters Successful	Estimated No. of Deer - 1 October	Deer Density ^a		Hunter ^c Demand for Permits
	Gun	Bow				No./mi ²	No./mi ² of Forest ^b	
<u>BUREAU</u>								
1980	243		1168	21	1529	1.8(0.7)	23.7(9.1)	
1981	275		1157	24	1703	2.0(0.8)	26.4(10.2)	610(100)
1982	347	16	1315	26	1883	2.2(0.8)	29.1(11.3)	586(100)
1983	427	13	1506	28	1970	2.3(0.9)	30.5(11.8)	717(100)
1984	402	23	1476	27	1967	2.3(0.9)	30.4(11.8)	713(100)
1985	440	28	1608	27	1972	2.3(0.9)	30.5(11.8)	743(100)
1986					1938	2.2(0.8)	30.0(11.6)	
<u>CALHOUN</u>								
1980	177		899	20	984	3.8(1.5)	7.2(2.8)	
1981	210		900	23	1073	4.1(1.6)	7.8(3.0)	476(100)
1982	266	15	917	29	1165	4.5(1.7)	8.5(3.3)	532(100)
1983	243	20	945	26	1160	4.5(1.7)	8.4(3.3)	663(100)
1984	321	11	902	36	1242	4.8(1.9)	9.0(3.5)	714(98)
1985	282	17	892	32	1226	4.7(1.8)	8.9(3.4)	724(97)
1986					1331	5.1(2.0)	9.7(3.7)	
<u>CARROLL</u>								
1980	444		1577	28	2113	4.5(1.7)	30.7(11.8)	
1981	405		1652	25	2180	4.7(1.8)	31.7(12.2)	1031(100)
1982	495	19	1648	30	2394	5.1(2.0)	34.8(13.4)	1020(100)
1983	592	27	1669	36	2526	5.4(2.1)	36.7(14.2)	1085(100)
1984	594	23	1646	36	2528	5.4(2.1)	36.7(14.2)	1215(100)
1985	621	39	1731	36	2572	5.5(2.1)	37.3(14.4)	1249(100)
1986					2631	5.6(2.2)	38.2(14.8)	
<u>CASS</u>								
1980	148		668	22	867	2.3(0.9)	12.5(4.8)	
1981	149		662	23	945	2.6(1.0)	13.6(5.3)	424(100)
1982	165	16	676	24	1076	2.5(1.2)	15.5(6.5)	449(100)
1983	258	24	800	32	1235	3.3(1.3)	17.8(6.9)	585(100)
1984	281	16	877	32	1259	3.4(1.3)	18.2(7.0)	648(100)
1985	310	18	882	35	1268	3.4(1.3)	18.3(7.1)	708(100)
1986					1227	3.3(1.3)	17.7(6.8)	
<u>CHAMPAIGN</u>								
1980	41		214	19	330	0.3(0.1)	28.1(10.9)	
1981	43		224	19	352	0.4(0.2)	30.0(11.6)	116(100)
1982	50	21	219	23	393	0.4(0.2)	33.5(12.9)	136(100)
1983	67	29	224	30	444	0.4(0.2)	37.9(14.6)	183(100)
1984	87	34	276	32	484	0.5(0.2)	41.3(15.9)	235(100)
1985	106	30	327	32	483	0.5(0.2)	41.2(15.9)	237(100)
1986					461	0.5(0.2)	39.3(15.2)	

Table 18. - continued.

Table 18. Continued - page 3.

Year	Harvest		No. of Hunters	% of Hunters Successful	Estimated No. of Deer - 1 October	Deer Density ^a		Hunter ^c Demand for Permits
	Gun	Bow				No./mi ²	No./mi ² of Forest ^b	
<u>CHRISTIAN</u>								
1980	73		252	29	441	0.8(0.3)	22.4(8.6)	
1981	68		256	27	475	0.9(0.4)	24.1(9.3)	234(85)
1982	90	27	282	32	525	0.9(0.4)	26.6(10.3)	306(65)
1983	86	34	305	28	557	1.0(0.4)	28.3(10.9)	355(55)
1984	130	44	326	40	624	1.1(0.4)	31.6(12.2)	427(53)
1985	137	71	370	37	613	1.1(0.4)	31.1(12.0)	426(65)
1986					583	1.1(0.4)	29.5(11.4)	
<u>CLARK</u>								
1980	145		454	32	782	1.5(0.6)	5.5(2.1)	
1981	152		451	34	828	1.6(0.6)	5.8(2.2)	283(70)
1982	150	9	486	31	883	1.7(0.7)	6.2(2.4)	318(63)
1983	204	26	541	38	989	2.0(0.8)	6.9(2.7)	349(57)
1984	234	36	493	48	1050	2.1(0.8)	7.4(2.8)	424(59)
1985	345	31	810	43	1041	2.1(0.8)	7.3(2.8)	492(100)
1986					828	1.6(0.6)	5.8(2.2)	
<u>CLAY</u>								
1980	103		385	27	599	1.3(0.5)	5.8(2.2)	
1981	110		420	26	663	1.4(0.6)	6.4(2.5)	235(85)
1982	127	28	463	27	732	1.6(0.6)	7.1(2.7)	345(58)
1983	162	16	576	28	803	1.7(0.7)	7.8(3.0)	432(46)
1984	181	26	519	35	840	1.8(0.7)	8.1(3.1)	438(57)
1985	213	31	573	37	867	1.9(0.7)	8.4(3.2)	512(68)
1986					857	1.8(0.7)	8.3(3.2)	
<u>CLINTON</u>								
1980	192		941	20	1040	2.1(0.8)	13.8(5.3)	
1981	198		964	20	1114	2.2(0.9)	14.8(5.7)	562(100)
1982	206	18	967	21	1173	2.4(0.9)	15.6(6.0)	578(100)
1983	236	18	1005	24	1253	2.5(1.0)	16.6(6.4)	684(100)
1984	252	16	926	27	1335	2.7(1.0)	17.7(6.8)	750(93)
1985	299	23	973	31	1393	2.8(1.1)	18.5(7.1)	791(95)
1986					1401	2.8(1.1)	18.6(7.2)	
<u>COLES</u>								
1980	48		261	18	354	1.8(0.7)	16.9(6.5)	
1981	61		260	24	402	2.0(0.8)	19.2(7.4)	216(92)
1982	62	17	279	22	434	2.1(0.8)	20.7(8.0)	257(78)
1983	74	32	279	27	494	2.4(0.9)	23.6(9.1)	281(71)
1984	99	32	304	33	569	2.8(1.1)	27.1(10.5)	403(62)
1985	124	37	342	36	602	3.0(1.1)	28.7(11.1)	449(61)
1986					608	3.0(1.1)	29.0(11.2)	

Table 18. - continued-

Table 18. Continued - page 4.

Year	Harvest		No. of Hunters	% of Hunters Successful	Estimated No. of Deer - 1 October	Deer Density ^a		Hunter ^c Demand for Permits
	Gun	Bow				No./mi ²	No./mi ² of Forest ^b	
<u>CRAWFORD</u>								
1980	132		435	30	669	1.5(0.6)	7.6(3.0)	
1981	127		405	31	704	1.6(0.6)	8.0(3.1)	390(64)
1982	161	30	444	36	761	1.7(0.7)	8.7(3.4)	425(59)
1983	161	42	449	36	796	1.8(0.7)	9.1(3.5)	469(53)
1984	206	39	454	45	843	1.9(0.7)	9.6(3.7)	521(53)
1985	198	44	502	39	835	1.9(0.7)	9.5(3.7)	554(54)
1986					809	1.8(0.7)	9.2(3.6)	
<u>CUMBERLAND</u>								
1980	85		359	24	573	1.7(0.6)	8.8(3.4)	
1981	98		368	27	642	1.9(0.7)	9.8(3.8)	179(100)
1982	128	11	406	32	706	2.0(0.8)	10.8(4.2)	213(100)
1983	149	11	452	33	747	2.2(0.9)	11.4(4.4)	304(82)
1984	163	14	457	36	768	2.2(0.9)	11.7(4.5)	412(73)
1985	186	22	499	37	775	2.2(0.9)	11.9(4.6)	421(83)
1986					748	2.2(0.9)	11.4(4.4)	
<u>DEKALB</u>								
1980	52		260	20	332	0.5(0.2)	29.5(11.4)	
1981	70		264	27	370	0.6(0.2)	32.9(12.7)	196(100)
1982	72	9	268	27	382	0.6(0.2)	33.9(13.1)	233(100)
1983	91	7	278	33	405	0.6(0.2)	36.0(13.9)	335(75)
1984	98	13	320	31	408	0.6(0.2)	36.2(14.0)	342(88)
1985	110	21	362	30	410	0.6(0.2)	36.4(14.1)	362(97)
1986					400	0.6(0.2)	35.5(13.7)	
<u>DEWITT</u>								
1980	60		231	26	442	1.1(0.4)	17.0(6.6)	
1981	67		237	28	505	1.3(0.5)	19.4(7.5)	243(82)
1982	99	22	236	42	558	1.4(0.5)	21.5(8.3)	280(71)
1983	93	21	259	36	558	1.4(0.5)	21.5(8.3)	328(61)
1984	132	27	300	44	607	1.5(0.6)	23.4(9.0)	338(74)
1985	136	40	346	39	590	1.5(0.6)	22.7(8.8)	353(85)
1986					553	1.4(0.5)	21.3(8.2)	
<u>DOUGLAS</u>								
1980	45		215	21	260	0.6(0.2)	27.7(10.7)	
1981	44		217	20	273	0.6(0.3)	29.0(11.2)	77(100)
1982	54	14	221	24	291	0.7(0.3)	31.0(12.0)	92(100)
1983	51	7	224	23	290	0.7(0.3)	30.9(12.0)	118(100)
1984	60	11	271	22	306	0.7(0.3)	32.6(12.6)	156(100)
1985	86	21	323	27	332	0.8(0.3)	35.3(13.6)	178(100)
1986					294	0.7(0.3)	31.3(12.1)	

Table 18. - continued.

Table 18. Continued - page 5

Year	Harvest		No. of Hunters	% of Hunters Successful	Estimated No. of Deer - 1 October	Deer Density ^a		Hunter ^c Demand for Permits
	Gun	Bow				No./mi ²	No./mi ² of Forest ^b	
<u>EDGAR</u>								
1980	74		257	29	427	0.7(0.3)	7.4(2.9)	
1981	82		276	30	484	0.8(0.3)	8.4(3.2)	232(86)
1982	92	23	287	32	550	0.9(0.3)	9.5(3.7)	265(75)
1983	120	28	310	39	614	1.0(0.4)	10.7(4.1)	304(66)
1984	182	23	381	48	662	1.1(0.4)	11.5(4.4)	379(79)
1985	177	34	433	41	625	1.0(0.4)	10.9(4.2)	453(77)
1986					571	0.9(0.4)	9.9(3.8)	
<u>EDWARDS</u>								
1980	51		209	24	375	1.7(0.6)	9.4(3.6)	
1981	69		233	30	450	2.0(0.8)	11.3(4.3)	127(100)
1982	84	8	245	34	499	2.2(0.9)	12.5(4.8)	171(100)
1983	94	8	259	36	533	2.4(0.9)	13.3(5.1)	216(93)
1984	118	13	293	40	583	2.6(1.0)	14.6(5.6)	247(100)
1985	168	10	395	43	607	2.7(1.0)	15.2(5.9)	253(100)
1986					521	2.3(0.9)	13.0(5.0)	
<u>EFFINGHAM</u>								
1980	94		433	22	584	1.2(0.5)	6.0(2.3)	
1981	117		440	27	646	1.3(0.5)	6.6(2.6)	281(71)
1982	100	19	482	21	661	1.4(0.5)	6.8(2.6)	362(55)
1983	141	19	527	27	755	1.6(0.6)	7.7(3.0)	406(49)
1984	159	22	465	34	789	1.6(0.6)	8.1(3.1)	478(42)
1985	196	25	609	32	798	1.7(0.6)	8.2(3.2)	508(69)
1986					732	1.5(0.6)	7.5(2.9)	
<u>FAYETTE</u>								
1980	262		958	27	1528	2.1(0.8)	9.5(3.7)	
1981	276		946	29	1691	2.4(0.9)	10.5(4.0)	661(75)
1982	353	35	1005	35	1898	2.6(1.0)	11.8(4.5)	739(68)
1983	419	46	1169	36	2032	2.8(1.1)	12.6(4.9)	1001(60)
1994	441	41	1159	38	2084	2.9(1.1)	12.9(5.0)	1140(57)
1985	497	52	1176	42	2148	3.0(1.2)	13.3(5.1)	1145(61)
1986					2162	3.0(1.2)	13.4(5.2)	
<u>FORD</u>								
1980								
1981	18		106	17	135	0.2(0.1)	49.7(19.2)	21(100)
1982	23	1	106	22	163	0.3(0.1)	60.0(23.1)	26(100)
1983	39	5	121	32	200	0.4(0.2)	73.6(28.4)	52(100)
1984	32	4	136	24	215	0.4(0.2)	79.1(30.5)	74(100)
1985	48	11	139	35	251	0.5(0.2)	92.3(35.6)	65(100)
1986					278	0.6(0.2)	102.3(39.5)	

Table 18. - continued.

Table 18. Continued - page 6.

Year	Harvest		No. of Hunters	% of Hunters Successful	Estimated No. of Deer - 1 October	Deer Density ^a		Hunter ^c Demand for Permits
	Gun	Bow				No./mi ²	No./mi ² of Forest ^b	
<u>FRANKLIN</u>								
1980	112		585	19	586	1.4(0.5)	6.2(2.4)	
1981	102		609	17	612	1.4(0.5)	6.5(2.5)	315(100)
1982	122	13	595	20	695	1.6(0.6)	7.4(2.9)	379(100)
1983	152	12	606	25	760	1.8(0.7)	8.1(3.1)	520(96)
1984	169	27	645	26	807	1.9(0.7)	8.6(3.3)	606(91)
1985	179	12	648	28	848	2.0(0.8)	9.0(3.5)	600(92)
1986					886	2.0(0.8)	9.4(3.6)	
<u>FULTON</u>								
1980	393		1355	29	2111	2.4(0.9)	11.2(4.3)	
1981	428		1561	27	2268	2.6(1.0)	12.0(4.6)	1217(100)
1982	466	68	1558	30	2402	2.7(1.1)	12.7(4.9)	1277(100)
1983	539	62	1587	34	2543	2.9(1.1)	13.5(5.2)	1361(96)
1984	571	57	1558	37	2612	3.0(1.2)	13.8(5.3)	1389(94)
1985	657	69	1764	37	2662	3.0(1.2)	14.1(5.4)	1504(99)
1986					2547	2.9(1.1)	13.5(5.2)	
<u>GALLATIN</u>								
1980	97		555	18	619	1.9(0.7)	7.6(2.9)	
1981	108		637	17	699	2.1(0.8)	8.6(3.3)	223(100)
1982	114	4	729	16	802	2.4(0.9)	9.9(3.8)	234(100)
1983	187	6	757	25	930	2.8(1.1)	11.4(4.4)	248(100)
1984	264	6	751	35	977	3.0(1.1)	12.0(4.6)	423(100)
1985	238	9	792	30	915	2.8(1.1)	11.3(4.3)	517(100)
1986					875	2.7(1.0)	10.8(4.2)	
<u>GREENE</u>								
1980	221		662	33	1095	2.0(0.8)	10.8(4.2)	
1981	199		679	29	1144	2.1(0.8)	11.3(4.4)	382(100)
1982	247	22	695	36	1268	2.3(0.9)	12.5(4.8)	413(100)
1983	270	29	732	37	1365	2.5(1.0)	13.5(5.2)	504(99)
1984	308	22	702	44	1425	2.6(1.0)	14.1(5.4)	586(85)
1985	322	24	716	45	1466	2.7(1.1)	14.5(5.6)	687(73)
1986					1479	2.7(1.1)	14.6(5.6)	
<u>GRUNDY</u>								
1980	124		420	30	595	1.4(0.5)	19.7(7.6)	
1981	103		421	25	604	1.4(0.5)	20.0(7.7)	388(90)
1982	111	20	417	27	661	1.5(0.6)	21.9(8.5)	442(79)
1983	117	21	421	28	713	1.7(0.6)	23.7(9.1)	487(72)
1984	142	32	453	31	803	1.9(0.7)	26.6(10.3)	522(77)
1985	184	26	474	39	887	2.1(0.8)	29.4(11.4)	562(76)
1986					929	2.2(0.8)	30.8(11.9)	

Table 18. - continued.

Table 18. Continued - page 7.

Year	Harvest		No. of Hunters	% of Hunters Successful	Estimated No. of Deer - 1 October	Deer Density ^a		Hunter ^c Demand for Permits
	Gun	Bow				No./mi ²	No./mi ² of Forest ^b	
<u>HAMILTON</u>								
1980	172		734	23	750	1.7(0.7)	9.4(3.6)	
1981	161		782	21	774	1.8(0.7)	9.7(3.7)	337(100)
1982	162	2	790	20	866	2.0(0.8)	10.8(4.2)	399(100)
1983	235	3	826	28	1019	2.3(0.9)	12.8(4.9)	484(100)
1984	242	7	777	31	1078	2.5(1.0)	13.5(5.2)	583(100)
1985	290	14	817	36	1178	2.7(1.0)	14.8(5.7)	620(100)
1986					1279	2.9(1.1)	16.0(6.2)	
<u>HANCOCK</u>								
1980	662		1822	36	2994	3.8(1.5)	29.8(11.5)	
1981	623		1925	32	3024	3.8(1.5)	30.1(11.6)	1143(100)
1982	708	27	1902	37	3176	4.0(1.5)	31.6(12.2)	1099(100)
1983	764	21	1973	39	3223	4.0(1.5)	32.1(12.4)	1232(100)
1984	727	21	1867	39	3165	4.0(1.5)	31.5(12.2)	1286(100)
1985	754	28	1958	39	3194	4.0(1.5)	31.8(12.3)	1325(100)
1986					3190	4.0(1.5)	31.7(12.3)	
<u>HARDIN</u>								
1980	289		1265	23	1325	7.2(2.8)	13.7(5.3)	
1981	263		1277	21	1315	7.2(2.8)	13.6(5.2)	807(100)
1982	242	4	1296	19	1348	7.3(2.8)	13.9(5.4)	916(100)
1983	294	6	1221	24	1426	7.8(3.0)	14.7(5.7)	1017(100)
1984	354	15	1178	30	1466	8.0(3.1)	15.2(5.9)	1095(100)
1985	327	10	1239	26	1434	7.8(3.0)	14.8(5.7)	1158(99)
1986					1491	8.1(3.1)	15.4(6.0)	
<u>HENDERSON</u>								
1980	263		984	27	1400	3.7(1.4)	16.6(6.4)	
1981	267		972	28	1475	3.9(1.5)	17.5(6.8)	424(100)
1982	302	23	1025	30	1567	4.1(1.6)	18.6(7.2)	377(100)
1983	341	16	1220	28	1614	4.2(1.6)	19.1(7.4)	381(100)
1984	332	21	1175	28	1646	4.3(1.7)	19.5(7.5)	414(100)
1985	393	23	1051	37	1698	4.5(1.7)	20.1(7.8)	376(100)
1986					1699	4.5(1.7)	20.2(7.8)	
<u>HENRY</u>								
1980	109		515	21	608	0.7(0.3)	12.4(4.8)	
1981	90		554	16	648	0.8(0.3)	13.2(5.1)	230(100)
1982	151	14	551	27	770	0.9(0.4)	15.6(6.0)	206(100)
1983	171	16	665	26	804	1.0(0.4)	16.3(6.3)	234(100)
1984	174	21	707	25	807	1.0(0.4)	16.4(6.3)	292(100)
1985	204	17	679	30	820	1.0(0.4)	16.7(6.4)	269(100)
1986					786	1.0(0.4)	16.0(6.2)	

Table 18. - continued.

Table 18. Continued - page 8.

Year	Harvest		No. of Hunters	% of Hunters Successful	Estimated No. of Deer - 1 October	Deer Density ^a		Hunter ^c Demand for Permits
	Gun	Bow				No./mi ²	No./mi ² of Forest ^b	
<u>IROQUOIS</u>								
1980	72		294	25	668	0.6(0.2)	16.8(6.5)	
1981	97		322	30	795	0.7(0.3)	20.0(7.7)	347(58)
1982	119	37	348	34	911	0.8(0.3)	22.9(8.8)	446(45)
1983	178	37	435	41	1034	0.9(0.4)	26.0(10.0)	512(49)
1984	179	53	444	40	1039	0.9(0.4)	26.1(10.1)	675(44)
1985	222	67	521	43	1050	0.9(0.4)	26.4(10.2)	708(49)
1986					951	0.8(0.3)	23.9(9.2)	
<u>JACKSON</u>								
1980	609		1871	33	3015	5.0(1.9)	13.0(5.0)	
1981	591		1931	31	3063	5.1(2.0)	13.2(5.1)	1798(83)
1982	643	47	1981	33	3169	5.3(2.0)	13.6(5.3)	2093(72)
1983	689	59	2091	33	3271	5.4(2.1)	14.1(5.4)	2470(61)
1984	803	60	1884	43	3338	5.5(2.1)	14.4(5.5)	2523(59)
1985	768	80	1992	39	3255	5.4(2.1)	14.0(5.4)	2676(60)
1986					3252	5.4(2.1)	14.0(5.4)	
<u>JASPER</u>								
1980	146		453	32	999	2.0(0.8)	10.4(4.0)	
1981	177		521	34	1153	2.3(0.9)	11.9(4.6)	293(68)
1982	206	23	574	36	1296	2.6(1.0)	13.4(5.2)	354(57)
1983	281	44	668	42	1454	2.9(1.1)	15.1(5.8)	451(44)
1984	264	44	606	44	1514	3.1(1.2)	15.7(6.1)	527(38)
1985	376	43	733	51	1622	3.3(1.3)	16.8(6.5)	538(74)
1986					1544	3.1(1.2)	16.0(6.2)	
<u>JEFFERSON</u>								
1980	228		852	27	1159	2.0(0.8)	10.2(3.9)	
1981	197		867	23	1232	2.1(0.8)	10.9(4.2)	623(100)
1982	266	32	842	32	1432	2.5(1.0)	12.6(4.9)	728(89)
1983	296	26	943	31	1524	2.6(1.0)	13.4(5.2)	895(78)
1984	358	43	892	40	1648	2.9(1.1)	14.5(5.6)	930(75)
1985	413	54	943	44	1736	3.0(1.2)	15.3(5.9)	1040(72)
1986					1752	3.0(1.2)	15.4(6.0)	
<u>JERSEY</u>								
1980	73		477	15	399	1.1(0.4)	3.6(1.4)	
1981	74		482	15	448	1.2(0.5)	4.1(1.6)	279(100)
1982	98	7	499	20	511	1.4(0.5)	4.6(1.8)	260(100)
1983	97	13	505	19	559	1.5(0.6)	5.1(2.0)	355(100)
1984	129	10	497	26	626	1.7(0.6)	5.7(2.2)	404(99)
1985	156	19	553	28	660	1.8(0.7)	6.0(2.3)	455(99)
1986					662	1.8(0.7)	6.0(2.3)	

Table 18. - continued.

Table 18. Continued - page 9.

Year	Harvest		No. of Hunters	% of Hunters Successful	Estimated No. of Deer - 1 October	Deer Density ^a		Hunter ^c Demand for Permits
	Gun	Bow				No./mi ²	No./mi ² of Forest ^b	
<u>JO DAVIESS</u>								
1980	797		2535	31	4156	6.8(2.6)	35.4(13.7)	
1981	869		2532	34	4369	7.1(2.7)	37.2(14.4)	2207(99)
1982	942	47	2549	37	4553	7.4(2.9)	38.8(15.0)	2428(91)
1983	1077	53	2604	41	4694	7.6(3.0)	40.0(15.4)	2661(83)
1984	1081	63	2556	42	4711	7.7(3.0)	40.1(15.5)	2849(77)
1985	1105	71	2670	41	4757	7.7(3.0)	40.5(15.6)	2944(78)
1986					4831	7.9(3.0)	41.1(15.9)	
<u>JOHNSON</u>								
1980	513		2033	25	2274	6.6(2.5)	14.0(5.4)	
1981	441		2055	22	2267	6.6(2.5)	13.9(5.4)	1632(100)
1982	458	15	1942	24	2334	6.8(2.6)	14.4(5.5)	1671(100)
1983	495	19	1561	32	2449	7.1(2.7)	15.1(5.8)	1884(69)
1984	579	18	1525	38	2543	7.4(2.8)	15.6(6.0)	1954(67)
1985	568	35	1610	35	2542	7.4(2.8)	15.6(6.0)	1997(70)
1986					2580	7.5(2.9)	15.9(6.1)	
<u>KANKAKEE</u>								
1980	29		215	14	247	0.4(0.2)	7.3(2.8)	
1981	32		222	14	276	0.4(0.2)	8.1(3.1)	196(100)
1982	41	12	230	18	295	0.4(0.2)	8.7(3.4)	234(86)
1983	43	12	220	20	308	0.5(0.2)	9.1(3.5)	279(72)
1984	47	20	223	21	338	0.5(0.2)	10.0(3.9)	265(75)
1985	59	26	250	24	368	0.5(0.2)	10.9(4.2)	302(75)
1986					344	0.5(0.2)	10.1(3.9)	
<u>KENDALL</u>								
1980	32		207	15	188	0.6(0.2)	11.4(4.4)	
1981	35		207	17	189	0.6(0.2)	11.4(4.5)	102(100)
1982	48	7	209	23	202	0.6(0.2)	12.2(4.7)	105(100)
1983	51	4	206	25	204	0.6(0.2)	12.4(4.8)	142(100)
1984	51	9	210	24	200	0.6(0.2)	12.1(4.7)	157(100)
1985	40	12	210	19	198	0.6(0.2)	12.0(4.6)	187(100)
1986					222	0.7(0.3)	13.5(5.2)	
<u>KNOX</u>								
1980	369		1226	30	1928	2.6(1.0)	19.7(7.6)	
1981	360		1227	29	1984	2.7(1.1)	20.2(7.8)	810(100)
1982	392	35	1218	32	2104	2.9(1.1)	21.5(8.3)	802(100)
1983	452	33	1231	37	2187	3.0(1.2)	22.3(8.6)	815(100)
1984	462	30	1213	38	2196	3.0(1.2)	22.4(8.7)	940(100)
1985	486	40	1309	37	2244	3.1(1.2)	22.9(8.8)	964(100)
1986					2323	3.2(1.2)	23.7(9.2)	

Table 18. - continued.

Table 18. Continued - page 10.

Year	Harvest		No. of Hunters	% of Hunters Successful	Estimated No. of Deer - 1 October	Deer Density ^a		Hunter ^c Demand for Permits
	Gun	Bow				No./mi ²	No./mi ² of Forest ^b	
<u>LASALLE</u>								
1980	173		780	22	1034	0.9(0.3)	15.3(5.9)	
1981	207		774	27	1105	1.0(0.4)	16.3(6.3)	881(68)
1982	191	33	783	24	1120	1.0(0.4)	16.5(6.4)	927(65)
1983	216	44	815	27	1183	1.0(0.4)	17.4(6.7)	1082(55)
1984	254	45	793	32	1233	1.1(0.4)	18.2(7.0)	1220(49)
1985	280	55	853	33	1281	1.1(0.4)	18.9(7.3)	1214(54)
1986	335				1326	1.1(0.4)	19.6(7.6)	
<u>LAWRENCE</u>								
1980	91		271	34	544	1.5(0.6)	7.2(2.8)	
1981	104		312	33	588	1.6(0.6)	7.8(3.0)	214(100)
1982	106	26	315	34	640	1.7(0.7)	8.5(3.3)	248(100)
1983	128	22	326	39	708	1.9(0.7)	9.4(3.6)	341(73)
1984	149	35	336	44	747	2.0(0.8)	9.9(3.8)	382(72)
1985	158	40	371	43	744	2.0(0.8)	9.9(3.8)	400(75)
1986					707	1.9(0.7)	9.4(3.6)	
<u>LEE</u>								
1980	140		770	18	851	1.2(0.5)	28.1(10.8)	
1981	166		766	22	965	1.3(0.5)	31.8(12.3)	420(100)
1982	226	13	760	30	1074	1.5(0.6)	35.4(13.7)	428(100)
1983	244	15	780	31	1108	1.5(0.6)	36.6(14.1)	517(100)
1984	287	15	854	34	1149	1.6(0.6)	37.9(14.6)	630(100)
1985	297	27	919	32	1147	1.6(0.6)	37.9(14.6)	699(100)
1986					1104	1.5(0.6)	36.4(14.1)	
<u>LIVINGSTON</u>								
1980	91		341	27	519	0.5(0.2)	39.6(15.3)	
1981	100		346	29	551	0.5(0.2)	42.1(16.2)	317(95)
1982	117	8	365	32	591	0.6(0.2)	45.1(17.4)	329(91)
1983	123	9	385	32	618	0.6(0.2)	47.2(18.2)	364(82)
1984	156	16	394	40	649	0.6(0.2)	49.5(19.1)	388(90)
1985	146	18	464	32	637	0.6(0.2)	48.6(18.7)	422(95)
1986					652	0.6(0.2)	49.7(19.2)	
<u>LOGAN</u>								
1980	67		229	29	372	0.6(0.2)	21.3(8.2)	
1981	58		235	25	410	0.7(0.3)	23.5(9.1)	147(100)
1982	67	2	236	28	482	0.8(0.3)	27.6(10.7)	167(100)
1983	107	19	243	44	560	0.9(0.3)	32.1(12.4)	204(99)
1984	121	19	283	43	579	0.9(0.4)	33.2(12.8)	268(93)
1985	131	14	337	39	556	0.9(0.3)	32.0(12.3)	291(100)
1986					506	0.8(0.3)	29.0(11.2)	

Table 18. - continued.

Table 18. Continued - page 11.

Year	Harvest		No. of Hunters	% of Hunters Successful	Estimated No. of Deer - 1 October	Deer Density ^a		Hunter ^c Demand for Permits
	Gun	Bow				No./mi ²	No./mi ² of Forest ^b	
<u>MCDONOUGH</u>								
1980	255		826	31	1206	2.1(0.8)	14.9(5.8)	
1981	276		953	29	1260	2.2(0.9)	15.6(6.0)	396(100)
1982	272	26	961	28	1296	2.2(0.9)	16.0(6.2)	362(100)
1983	347	13	1026	34	1364	2.3(0.9)	16.8(6.5)	369(100)
1984	358	12	1084	33	1332	2.3(0.9)	16.4(6.4)	423(100)
1985	329	19	1030	32	1290	2.2(0.9)	15.9(6.2)	407(100)
1986					1290	2.2(0.9)	15.9(6.2)	
<u>MCHENRY</u>								
1980	91		446	20	629	1.0(0.4)	11.5(4.4)	
1981	104		448	23	684	1.1(0.4)	12.5(4.8)	516(78)
1982	113	15	461	25	753	1.2(0.5)	13.8(5.3)	631(63)
1983	136	26	574	24	822	1.3(0.5)	15.1(5.8)	844(59)
1984	160	39	632	25	873	1.4(0.6)	16.0(6.2)	1012(54)
1985	219	57	682	32	923	1.5(0.6)	16.9(6.5)	1079(56)
1986	276				895	1.5(0.6)	16.4(6.3)	
<u>MCLEAN</u>								
1980	100		394	25	626	0.5(0.2)	22.9(8.8)	
1981	86		389	22	671	0.6(0.2)	24.5(9.5)	335(90)
1982	113	34	395	29	774	0.7(0.3)	28.2(10.9)	361(83)
1983	156	40	405	39	857	0.7(0.3)	31.3(12.1)	455(66)
1984	178	52	437	41	880	0.7(0.3)	32.2(12.4)	574(61)
1985	196	46	483	41	877	0.7(0.3)	32.1(12.4)	587(68)
1986					837	0.7(0.3)	30.6(11.8)	
<u>MACON</u>								
1980	43		217	20	296	0.5(0.2)	16.7(6.4)	
1981	36		217	17	285	0.5(0.2)	16.1(6.2)	150(100)
1982	33	18	213	15	300	0.5(0.2)	16.9(6.5)	160(100)
1983	35	20	166	21	323	0.5(0.2)	18.2(7.0)	191(79)
1984	53	32	163	33	367	0.6(0.2)	20.7(8.0)	217(69)
1985	58	28	220	26	367	0.6(0.2)	20.7(8.0)	248(81)
1986					367	0.6(0.2)	20.7(8.0)	
<u>MACOUPIN</u>								
1980	188		762	25	1164	1.3(0.5)	6.3(2.4)	
1981	226		789	29	1275	1.5(0.6)	6.9(2.7)	605(66)
1982	238	31	834	28	1352	1.6(0.6)	7.3(2.8)	643(62)
1983	262	43	897	29	1421	1.6(0.6)	7.7(3.0)	813(49)
1984	284	49	761	37	1502	1.7(0.7)	8.1(3.1)	953(42)
1985	407	54	973	42	1583	1.8(0.7)	8.6(3.3)	987(61)
1986					1466	1.7(0.7)	7.9(3.1)	

Table 18. - continued.

Table 18. Continued - page 12.

Year	Harvest		No. of Hunters	% of Hunters Successful	Estimated No. of Deer - 1 October	Deer Density ^a		Hunter ^c Demand for Permits
	Gun	Bow				No./mi ²	No./mi ² of Forest ^b	
<u>MADISON</u>								
1980	65		348	19	407	0.6(0.2)	3.6(1.4)	
1981	52		356	15	413	0.6(0.2)	3.6(1.4)	302(83)
1982	60	28	367	16	461	0.6(0.2)	4.1(1.6)	326(77)
1983	82	28	406	20	523	0.7(0.3)	4.6(1.8)	443(56)
1984	96	47	394	24	564	0.8(0.3)	5.0(1.9)	521(48)
1985	127	37	474	27	583	0.8(0.3)	5.1(2.0)	575(57)
1986					530	0.7(0.3)	4.7(1.8)	
<u>MARION</u>								
1980	153		550	28	880	1.5(0.6)	5.8(2.2)	
1981	140		574	24	967	1.7(0.6)	6.4(2.5)	383(100)
1982	201	21	686	29	1116	1.9(0.7)	7.3(2.8)	505(99)
1983	214	22	769	28	1213	2.1(0.8)	8.0(3.1)	642(78)
1984	269	30	721	37	1309	2.3(0.9)	8.6(3.3)	733(68)
1985	321	48	860	37	1305	2.3(0.9)	8.6(3.3)	796(82)
1986					1247	2.2(0.8)	8.2(3.2)	
<u>MARSHALL</u>								
1980	147		702	21	754	1.9(0.7)	16.8(6.5)	
1981	146		758	19	800	2.0(0.8)	17.8(6.9)	390(100)
1982	208	7	799	26	893	2.3(0.9)	19.8(7.7)	341(100)
1983	215	7	941	23	918	2.3(0.9)	20.4(7.9)	374(100)
1984	220	2	950	23	948	2.4(0.9)	21.1(8.1)	416(100)
1985	212	8	853	25	980	2.5(1.0)	21.8(8.4)	408(100)
1986					1057	2.7(1.0)	23.5(9.1)	
<u>MASON</u>								
1980	158		666	24	836	1.5(0.6)	11.7(4.5)	
1981	186		673	28	879	1.6(0.6)	12.3(4.7)	599(100)
1982	192	25	667	29	893	1.7(0.6)	12.5(4.8)	664(90)
1983	188	29	670	28	900	1.7(0.6)	12.6(4.9)	689(87)
1984	195	34	661	30	952	1.8(0.7)	13.3(5.1)	779(77)
1985	217	50	669	32	1011	1.9(0.7)	14.2(5.5)	719(83)
1986					1000	1.8(0.7)	14.0(5.4)	
<u>MASSAC</u>								
1980	41		202	20	228	0.9(0.4)	3.6(1.4)	
1981	40		222	18	252	1.0(0.4)	4.0(1.5)	84(100)
1982	54	5	307	18	274	1.1(0.4)	4.3(1.7)	55(100)
1983	48	5	323	15	286	1.1(0.4)	4.5(1.7)	54(100)
1984	95	9	317	30	308	1.2(0.5)	4.9(1.9)	102(100)
1985	85	12	364	23	281	1.1(0.4)	4.4(1.7)	137(100)
1986					237	0.9(0.4)	3.7(1.4)	

Table 18. - continued.

Table 18. Continued - page 13.

Year	Harvest		No. of Hunters	% of Hunters Successful	Estimated No. of Deer - 1 October	Deer Density ^a		Hunter ^c Demand for Permits
	Gun	Bow				No./mi ²	No./mi ² of Forest ^b	
<u>MENARD</u>								
1980	93		416	22	514	1.6(0.6)	15.4(5.9)	
1981	109		448	24	582	1.9(0.7)	17.4(6.7)	172(100)
1982	137	13	448	31	647	2.1(0.8)	19.4(7.5)	178(100)
1983	138	11	463	30	689	2.2(0.9)	20.6(8.0)	216(100)
1984	188	12	495	38	739	2.4(0.9)	22.1(8.5)	258(100)
1985	209	14	563	37	737	2.4(0.9)	22.1(8.5)	290(100)
1986					725	2.3(0.9)	21.7(8.4)	
<u>MERCER</u>								
1980	323		1125	29	532	0.9(0.4)	9.2(3.5)	
1981	309		1141	27	606	1.1(0.4)	10.5(4.0)	591(100)
1982	387	10	1150	34	681	1.2(0.5)	11.8(4.5)	522(100)
1983	472	19	1310	36	737	1.3(0.5)	12.7(4.9)	515(100)
1984	444	17	1377	32	806	1.4(0.5)	13.9(5.4)	606(100)
1985	463	14	1197	39	830	1.4(0.5)	14.3(5.5)	548(100)
1986					855	1.5(0.6)	14.8(5.7)	
<u>MONROE</u>								
1980	380		1188	32	1680	4.4(1.7)	15.8(6.1)	
1981	405		1218	33	1693	4.5(1.7)	16.0(6.2)	839(95)
1982	381	23	1260	30	1646	4.3(1.7)	15.5(6.0)	938(85)
1983	353	25	1281	28	1706	4.5(1.7)	16.1(6.2)	1032(78)
1984	426	21	1195	36	1868	4.9(1.9)	17.6(6.8)	1111(72)
1985	505	30	1288	39	1958	5.2(2.0)	18.5(7.1)	1101(82)
1986					1890	5.0(1.9)	17.8(6.9)	
<u>MONTGOMERY</u>								
1980	133		491	27	770	1.1(0.4)	10.0(3.9)	
1981	141		518	27	864	1.2(0.5)	11.3(4.4)	359(84)
1982	158	18	532	30	926	1.3(0.5)	12.1(4.7)	412(73)
1983	199	19	614	32	1021	1.4(0.6)	13.3(5.1)	530(57)
1984	234	26	586	40	1115	1.6(0.6)	14.5(5.6)	665(45)
1985	284	44	619	46	1160	1.6(0.6)	15.1(5.8)	698(50)
1986	328				1152	1.6(0.6)	15.0(5.8)	
<u>MORGAN</u>								
1980	137		505	27	806	1.2(0.5)	8.4(3.3)	
1981	155		504	31	900	1.4(0.5)	9.4(3.6)	291(100)
1982	185	18	513	36	1013	1.5(0.6)	10.6(4.1)	318(100)
1983	199	21	555	36	1103	1.7(0.7)	11.5(4.4)	429(93)
1984	269	22	626	43	1204	1.8(0.7)	12.6(4.9)	494(100)
1985	302	23	688	44	1206	1.8(0.7)	12.6(4.9)	584(94)
1986					1137	1.7(0.7)	11.9(4.6)	

Table 18. - continued.

Table 18. Continued - page 14

Year	Harvest		No. of Hunters	% of Hunters Successful	Estimated No. of Deer - 1 October	Deer Density ^a		Hunter ^c Demand for Permits
	Gun	Bow				No./mi ²	No./mi ² of Forest ^b	
<u>MOULTRIE</u>								
1980	57		239	24	452	1.3(0.5)	23.9(9.2)	
1981	73		242	30	496	1.4(0.6)	26.2(10.1)	372(54)
1982	88	24	246	36	540	1.6(0.6)	28.6(11.0)	441(45)
1983	80	24	257	31	561	1.6(0.6)	29.7(11.5)	482(42)
1984	101	31	298	34	619	1.8(0.7)	32.7(12.6)	541(46)
1985	108	31	293	37	636	1.8(0.7)	33.6(13.0)	537(47)
1986	139				639	1.9(0.7)	33.8(13.0)	
<u>OGLE</u>								
1980	246		967	25	1331	1.8(0.7)	21.2(8.2)	
1981	248		970	26	1429	1.9(0.7)	22.8(8.8)	744(100)
1982	314	30	980	32	1565	2.1(0.8)	25.0(9.6)	767(100)
1983	362	35	981	37	1659	2.2(0.9)	26.5(10.2)	882(100)
1984	452	44	1169	39	1738	2.3(0.9)	27.7(10.7)	1023(100)
1985	430	56	1267	34	1699	2.2(0.9)	27.1(10.5)	1133(100)
1986					1709	2.3(0.9)	27.3(10.5)	
<u>PEORIA</u>								
1980	188		807	23	993	1.6(0.6)	11.6(4.5)	
1981	212		794	27	1045	1.7(0.6)	12.2(4.7)	900(67)
1982	226	61	797	28	1090	1.7(0.6)	12.7(4.9)	937(64)
1983	262	41	849	31	1144	1.8(0.7)	13.4(5.2)	1068(56)
1984	236	41	851	28	1132	1.8(0.7)	13.2(5.1)	1173(55)
1985	269	63	901	30	1160	1.9(0.7)	13.6(5.2)	1147(61)
1986					1160	1.9(0.7)	13.6(5.2)	
<u>PERRY</u>								
1980	268		811	33	1452	3.3(1.3)	13.4(5.2)	
1981	246		834	30	1560	3.5(1.4)	14.4(5.6)	572(87)
1982	299	27	885	34	1739	3.9(1.5)	16.1(6.2)	601(83)
1983	368	39	999	37	1917	4.3(1.7)	17.7(6.8)	779(64)
1984	419	52	939	45	2032	4.6(1.8)	18.8(7.2)	890(67)
1985	554	60	1126	49	2090	4.7(1.8)	19.3(7.5)	1021(78)
1986					1930	4.3(1.7)	17.8(6.9)	
<u>PIATT</u>								
1980	48		210	23	307	0.7(0.3)	31.6(12.2)	
1981	43		213	20	321	0.7(0.3)	33.1(12.8)	115(100)
1982	56	11	213	26	370	0.8(0.3)	38.1(14.7)	121(100)
1983	71	22	213	33	397	0.9(0.4)	40.9(15.8)	153(100)
1984	77	18	230	34	417	1.0(0.4)	43.0(16.6)	194(100)
1985	96	23	285	34	422	1.0(0.4)	43.5(16.8)	190(275)
1986					408	0.9(0.4)	42.1(16.3)	

Table 18. - continued.

Table 18. Continued - page 15.

Year	Harvest		No. of Hunters	% of Hunters Successful	Estimated No. of Deer - 1 October	Deer Density ^a		Hunter ^c Demand for Permits
	Gun	Bow				No./mi ²	No./mi ² of Forest ^b	
<u>PIKE</u>								
1980	961		2068	47	4365	5.3(2.0)	19.7(7.6)	
1981	914		2220	41	4480	5.4(2.1)	20.2(7.8)	1182(100)
1982	1011	45	2403	42	4767	5.8(2.2)	21.5(8.3)	1385(100)
1983	1123	50	2452	46	5017	6.1(2.3)	22.6(8.7)	1688(100)
1984	1307	54	2379	55	5160	6.2(2.4)	23.3(9.0)	1894(95)
1985	1315	58	2551	52	5109	6.2(2.4)	23.0(8.9)	2061(97)
1986					5087	6.1(2.3)	22.9(8.9)	
<u>POPE</u>								
1980	821		4992	16	3891	10.2(3.9)	14.6(5.6)	
1981	778		5152	15	3898	10.2(4.0)	14.6(5.6)	3539(100)
1982	668	19	4655	14	3997	10.5(4.1)	15.0(5.8)	3237(100)
1983	846	20	4385	19	4372	11.5(4.4)	16.4(6.3)	3413(100)
1984	1049	23	4310	24	4638	12.2(4.7)	17.4(6.7)	3557(100)
1985	1040	36	4287	24	4635	12.2(4.7)	17.4(6.7)	3572(100)
1986					4674	12.3(4.7)	17.5(6.8)	
<u>PULASKI</u>								
1980	113		393	29	639	3.1(1.2)	11.5(4.4)	
1981	113		408	28	689	3.4(1.3)	12.4(4.8)	137(100)
1982	135	6	491	28	760	3.7(1.4)	13.7(5.3)	159(100)
1983	164	4	512	32	821	4.0(1.5)	14.8(5.7)	191(100)
1984	234	6	578	41	864	4.2(1.6)	15.6(6.0)	287(100)
1985	193	5	616	31	809	4.0(1.5)	14.6(5.6)	308(100)
1986					800	3.9(1.5)	14.4(5.6)	
<u>PUTNAM</u>								
1980	130		485	27	633	3.8(1.5)	19.0(7.4)	
1981	138		468	30	674	4.1(1.6)	20.3(7.8)	276(100)
1982	155	9	526	30	709	4.3(1.6)	21.3(8.2)	275(100)
1983	185	8	567	33	743	4.5(1.7)	22.4(8.6)	287(100)
1984	165	3	540	31	734	4.4(1.7)	22.1(8.5)	299(100)
1985	182	3	541	34	764	4.6(1.8)	23.0(8.9)	304(100)
1986					796	4.8(1.9)	24.0(9.2)	
<u>RANDOLPH</u>								
1980	415		1301	32	2251	3.8(1.5)	15.5(6.0)	
1981	438		1394	31	2418	4.1(1.6)	16.7(6.4)	940(96)
1982	525	44	1478	36	2607	4.4(1.7)	18.0(6.9)	1112(81)
1983	547	45	1691	32	2716	4.6(1.8)	18.7(7.2)	1420(70)
1984	632	56	1531	41	2872	4.8(1.9)	19.8(7.6)	1451(69)
1985	733	80	1720	43	2893	4.9(1.9)	19.9(7.7)	1550(77)
1986					2720	4.6(1.8)	18.8(7.2)	

Table 18. - continued.

Table 18. Continued - page 16.

Year	Harvest		No. of Hunters	% of Hunters Successful	Estimated No. of Deer - 1 October	Deer Density ^a		Hunter ^c Demand for Permits
	Gun	Bow				No./mi ²	No./mi ² of Forest ^b	
<u>RICHLAND</u>								
1980	57		237	24	364	1.0(0.4)	4.8(1.9)	
1981	53		256	21	436	1.2(0.5)	5.7(2.2)	144(100)
1982	73	12	293	25	526	1.4(0.6)	6.9(2.7)	205(98)
1983	122	16	336	36	599	1.6(0.6)	7.9(3.0)	316(63)
1984	115	27	336	34	613	1.7(0.7)	8.1(3.1)	382(52)
1985	146	27	327	45	646	1.8(0.7)	8.5(3.3)	366(55)
1986					623	1.7(0.7)	8.2(3.2)	
<u>ROCK ISLAND</u>								
1980	227		1108	20	1214	2.9(1.1)	15.3(5.9)	
1981	211		1109	19	1263	3.0(1.2)	15.9(6.1)	578(100)
1982	259	28	1083	24	1336	3.2(1.2)	16.8(6.5)	571(100)
1983	338	35	973	35	1388	3.3(1.3)	17.4(6.7)	539(100)
1984	286	27	960	30	1328	3.2(1.2)	16.7(6.4)	726(100)
1985	334	39	1054	32	1359	3.2(1.2)	17.1(6.6)	699(100)
1986					1345	3.2(1.2)	16.9(6.5)	
<u>ST. CLAIR</u>								
1980	202		592	34	1052	1.6(0.6)	8.9(3.4)	
1981	198		603	33	1098	1.6(0.6)	9.3(3.6)	575(70)
1982	197	28	606	33	1137	1.7(0.7)	9.6(3.7)	666(53)
1983	222	31	699	32	1201	1.8(0.7)	10.2(3.9)	824(49)
1984	238	33	657	36	1246	1.9(0.7)	10.5(4.1)	879(46)
1985	261	64	662	39	1290	1.9(0.7)	10.9(4.2)	941(43)
1986					1329	2.0(0.8)	11.2(4.3)	
<u>SALINE</u>								
1980	190		1056	18	993	2.6(1.0)	10.7(4.1)	
1981	171		1036	17	1032	2.7(1.0)	11.1(4.3)	478(100)
1982	206	14	1056	20	1105	2.9(1.1)	11.9(4.6)	487(100)
1983	211	24	1077	20	1152	3.0(1.2)	12.4(4.8)	683(100)
1984	295	20	1054	28	1229	3.2(1.2)	13.2(5.1)	792(100)
1985	286	20	1095	26	1170	3.0(1.2)	12.6(4.9)	882(100)
1986					1097	2.9(1.1)	11.8(4.6)	
<u>SANGAMON</u>								
1980	100		368	27	585	0.7(0.3)	13.0(5.0)	
1981	103		433	24	621	0.7(0.3)	13.8(5.3)	356(98)
1982	96	42	431	22	663	0.8(0.3)	14.7(5.7)	383(91)
1983	129	36	449	29	773	0.9(0.4)	17.1(6.6)	478(73)
1984	177	47	466	38	830	0.9(0.4)	18.4(7.1)	548(73)
1985	158	48	466	34	815	0.9(0.4)	18.0(7.0)	588(68)
1986	206				830	0.9(0.4)	18.4(7.1)	

Table 18. - continued.

Table 18. Continued - page 17.

Year	Harvest		No. of Hunters	% of Hunters Successful	Estimated No. of Deer - 1 October	Deer Density ^a		Hunter ^c Demand for Permits
	Gun	Bow				No./mi ²	No./mi ² of Forest ^b	
<u>SCHUYLER</u>								
1980	368		1204	31	1688	3.9(1.5)	11.9(4.6)	
1981	382		1214	32	1740	4.0(1.5)	12.3(4.7)	739(100)
1982	387	28	1219	32	1794	4.1(1.6)	12.6(4.9)	753(100)
1983	493	17	1244	40	1922	4.4(1.7)	13.5(5.2)	840(100)
1984	503	19	1256	40	1907	4.4(1.7)	13.4(5.2)	940(100)
1985	528	18	1395	38	1868	4.3(1.7)	13.2(5.1)	1008(100)
1986					1843	4.2(1.6)	13.0(5.0)	
<u>SCOTT</u>								
1980	104		339	31	683	2.7(1.1)	13.9(5.4)	
1981	104		385	27	763	3.0(1.2)	15.5(6.0)	115(100)
1982	142	3	437	33	875	3.5(1.3)	17.8(6.9)	106(100)
1983	164	9	498	33	965	3.8(1.5)	19.6(7.6)	130(100)
1984	202	14	497	41	1046	4.2(1.6)	21.3(8.2)	154(100)
1985	249	8	576	43	1089	4.3(1.7)	22.1(8.6)	221(100)
1986					1085	4.3(1.7)	22.1(8.5)	
<u>SHELBY</u>								
1980	192		675	28	1182	1.5(0.6)	17.7(6.8)	
1981	197		675	29	1252	1.6(0.6)	18.7(7.2)	706(57)
1982	237	65	720	33	1378	1.8(0.7)	20.6(7.9)	801(50)
1983	265	61	781	34	1493	1.9(0.7)	22.3(8.6)	955(42)
1984	276	70	700	39	1556	2.0(0.8)	23.3(9.0)	1123(36)
1985	330	95	763	43	1651	2.1(0.8)	24.7(9.5)	1057(47)
1986					1679	2.2(0.8)	25.1(9.7)	
<u>STARK</u>								
1980	64		283	23	319	1.1(0.4)	36.0(13.9)	
1981	80		271	30	341	1.2(0.5)	38.5(14.9)	132(100)
1982	61	4	293	21	332	1.1(0.4)	37.5(14.5)	125(100)
1983	67	2	304	22	354	1.2(0.5)	40.0(15.4)	115(100)
1984	85	1	314	27	379	1.3(0.5)	42.8(16.5)	103(100)
1985	84	3	282	30	404	1.4(0.5)	45.6(17.6)	104(100)
1986					441	1.5(0.6)	49.8(19.2)	
<u>STEPHENSON</u>								
1980	204		693	29	1140	2.0(0.8)	38.0(14.7)	
1981	194		639	30	1234	2.2(0.8)	41.1(15.9)	501(100)
1982	219	22	660	33	1359	2.4(0.9)	45.2(17.5)	593(93)
1983	325	30	732	44	1466	2.6(1.0)	48.8(18.8)	730(75)
1984	365	50	849	43	1432	2.5(1.0)	47.7(18.4)	811(86)
1985	379	51	979	39	1330	2.3(0.9)	44.3(17.1)	883(96)
1986	430				1250	2.2(0.8)	41.6(16.1)	

Table 18. - continued.

Table 18. Continued - page 18.

Year	Harvest		No. of Hunters	% of Hunters Successful	Estimated No. of Deer - 1 October	Deer Density ^a		Hunter ^c Demand for Permits
	Gun	Bow				No./mi ²	No./mi ² of Forest ^b	
<u>TAZEWELL</u>								
1980	123		483	26	695	1.1(0.4)	12.2(4.7)	
1981	115		488	24	751	1.1(0.4)	13.2(5.1)	452(88)
1982	131	25	493	27	810	1.2(0.5)	14.2(5.5)	504(79)
1983	150	25	513	29	840	1.3(0.5)	14.7(5.7)	558(72)
1984	158	26	502	32	850	1.3(0.5)	14.9(5.8)	588(68)
1985	181	35	539	34	888	1.4(0.5)	15.6(6.0)	622(68)
1986	216				885	1.4(0.5)	15.5(6.0)	
<u>UNION</u>								
1980	593		2158	28	2378	5.7(2.2)	11.1(4.3)	
1981	535		2192	24	2287	5.5(2.1)	10.7(4.1)	1790(100)
1982	511	27	2147	24	2306	5.6(2.2)	10.7(4.1)	1899(97)
1983	469	51	1897	25	2364	5.7(2.2)	11.0(4.3)	2089(74)
1984	644	41	1800	36	2568	6.2(2.4)	12.0(4.6)	1993(78)
1985	586	50	1815	32	2514	6.1(2.3)	11.7(4.5)	2058(78)
1986					2541	6.1(2.3)	11.8(4.5)	
<u>VERMILION</u>								
1980	59		242	24	481	0.5(0.2)	5.5(2.1)	
1981	56		248	23	517	0.6(0.2)	5.9(2.3)	435(46)
1982	72	41	251	29	593	0.7(0.3)	6.8(2.6)	486(41)
1983	73	52	276	26	664	0.7(0.3)	7.6(3.0)	643(31)
1984	116	70	330	35	782	0.9(0.4)	9.0(3.5)	710(35)
1985	163	84	422	39	819	0.9(0.4)	9.4(3.6)	740(47)
1986	247				720	0.8(0.3)	8.3(3.2)	
<u>WABASH</u>								
1980	48		202	24	296	1.3(0.5)	8.3(3.2)	
1981	49		206	24	321	1.4(0.6)	9.0(3.5)	96(100)
1982	60	6	207	29	366	1.7(0.7)	10.3(4.0)	90(100)
1983	68	3	213	32	389	1.8(0.7)	10.9(4.2)	130(100)
1984	93	13	266	35	408	1.8(0.7)	11.4(4.4)	160(100)
1985	97	17	313	31	406	1.8(0.7)	11.4(4.4)	203(100)
1986	114				384	1.7(0.7)	10.8(4.2)	
<u>WARREN</u>								
1980	146		602	24	711	1.3(0.5)	20.8(8.0)	
1981	134		542	25	746	1.4(0.5)	21.8(8.4)	229(100)
1982	159	5	547	29	814	1.5(0.6)	23.8(9.2)	207(100)
1983	170	12	466	37	887	1.6(0.6)	25.9(10.0)	180(100)
1984	166	14	460	36	948	1.7(0.7)	27.7(10.7)	270(100)
1985	230	14	560	41	1039	1.9(0.7)	30.4(11.7)	302(100)
1986					1027	1.9(0.7)	30.0(11.6)	

Table 18. - continued.

Table 18. Continued - page 19.

Year	Harvest		No. of Hunters	% of Hunters Successful	Estimated No. of Deer - 1 October	Deer Density ^a		Hunter ^c Demand for Permits
	Gun	Bow				No./mi ²	No./mi ² of Forest ^b	
<u>WASHINGTON</u>								
1980	322		1026	31	1564	2.8(1.1)	16.0(6.2)	
1981	325		1036	31	1612	2.9(1.1)	16.4(6.3)	732(96)
1982	362	21	1075	34	1705	3.0(1.2)	17.4(6.7)	781(90)
1983	390	27	1137	34	1737	3.1(1.2)	17.7(6.8)	939(75)
1984	414	29	1067	39	1895	3.4(1.3)	19.3(7.5)	969(72)
1985	442	35	1134	39	1901	3.4(1.3)	19.4(7.5)	1088(74)
1986					1861	3.3(1.3)	19.0(7.3)	
<u>WAYNE</u>								
1980	135		497	27	693	1.0(0.4)	6.4(2.5)	
1981	133		505	26	727	1.0(0.4)	6.7(2.6)	333(90)
1982	165	16	496	33	801	1.1(0.4)	7.4(2.9)	375(80)
1983	159	18	547	29	840	1.2(0.5)	7.7(3.0)	457(66)
1984	192	26	479	40	913	1.3(0.5)	8.4(3.3)	462(65)
1985	243	22	586	42	933	1.3(0.5)	8.6(3.3)	507(79)
1986					843	1.2(0.5)	7.8(3.0)	
<u>WHITE</u>								
1980	64		345	19	449	0.9(0.3)	5.2(2.0)	
1981	75		350	21	514	1.0(0.4)	5.9(2.3)	176(100)
1982	99	9	359	28	591	1.2(0.5)	6.8(2.6)	203(100)
1983	118	21	384	31	678	1.4(0.5)	7.8(3.0)	308(97)
1984	151	21	414	37	756	1.5(0.6)	8.7(3.4)	400(88)
1985	192	28	456	42	804	1.6(0.6)	9.3(3.6)	
1986					797	1.6(0.6)	9.2(3.6)	
<u>WHITESIDE</u>								
1980	189		771	25	1107	1.5(0.6)	38.8(15.0)	
1981	206		755	27	1212	1.6(0.6)	42.5(16.4)	353(100)
1982	232	21	842	28	1334	1.7(0.7)	46.8(18.0)	315(100)
1983	307	22	1055	29	1430	1.9(0.7)	50.2(19.3)	366(100)
1984	284	29	1067	27	1420	1.9(0.7)	49.8(19.2)	392(100)
1985	315	29	1022	31	1470	1.9(0.7)	51.6(19.9)	390(100)
1986					1505	2.0(0.8)	52.7(20.4)	
<u>WILL</u>								
1980	22		219	10	362	0.4(0.2)	7.3(2.8)	
1981	37		258	14	432	0.5(0.2)	8.7(3.3)	245(82)
1982	31	42	223	14	433	0.5(0.2)	8.7(3.3)	301(67)
1983	48	36	231	21	468	0.6(0.2)	9.4(3.6)	372(54)
1984	44	56	228	19	435	0.5(0.2)	8.7(3.4)	423(47)
1985	55	61	316	17	444	0.5(0.2)	8.9(3.4)	451(67)
1986	116				398	0.5(0.2)	8.0(3.1)	

Table 18. - continued.

Table 18. Continued - page 20.

Year	Harvest		No. of Hunters	% of Hunters Successful	Estimated No. of Deer - 1 October	Deer Density ^a		Hunter ^c Demand for Permits
	Gun	Bow				No./mi ²	No./mi ² of Forest ^b	
<u>WILLIAMSON</u>								
1980	402		1668	24	2038	4.8(1.8)	13.3(5.1)	
1981	356		1679	21	1954	4.6(1.8)	12.8(4.9)	989(100)
1982	324	34	1584	20	1951	4.6(1.8)	12.8(4.9)	1074(100)
1983	296	55	1430	21	2019	4.7(1.8)	13.2(5.1)	1321(91)
1984	420	34	1356	31	2185	5.1(2.0)	14.3(5.5)	1310(92)
1985	405	51	1334	30	2181	5.1(2.0)	14.3(5.5)	1396(86)
1986					2261	5.3(2.0)	14.8(5.7)	
<u>WINNEBAGO</u>								
1980	125		706	18	808	1.6(0.6)	30.1(11.6)	
1981	140		765	18	909	1.7(0.7)	33.9(13.1)	321(100)
1982	155	21	823	19	1005	1.9(0.7)	37.5(14.5)	321(100)
1983	232	23	829	28	1124	2.2(0.8)	41.9(16.2)	444(100)
1984	257	42	989	26	1174	2.3(0.9)	43.8(16.9)	571(100)
1985	287	45	1036	28	1179	2.3(0.9)	44.0(17.0)	730(100)
1986					1171	2.3(0.9)	43.7(16.7)	
<u>WOODFORD</u>								
1980	168		616	27	838	1.6(0.6)	14.6(5.6)	
1981	177		630	28	863	1.6(0.6)	15.0(5.8)	599(89)
1982	196	18	648	30	915	1.7(0.7)	15.9(6.1)	634(79)
1983	205	25	664	31	930	1.7(0.7)	16.2(6.2)	661(76)
1984	209	23	659	32	945	1.8(0.7)	16.4(6.3)	691(72)
1985	240	31	729	33	964	1.8(0.7)	16.8(6.5)	682(88)
1986					941	1.7(0.7)	16.4(6.3)	

^aDensity (No./Km²) is shown in parentheses.

^bCounty forested acreages were obtained from Peter Roberts, Illinois Department of Conservation.

^cHunter demand was measured by the number of hunters who requested a county as their first choice in the annual lottery for deer permits. The percentage of these first choice requests that received a permit is shown in parentheses.

Table 19. Regressions describing the relationship between the number of hunters (X_1), estimated deer population (X_2), and gun harvest (Y). The symbol "*" indicates multiplication.

County	Regression Equation	R ²
Adams	$Y = -740 + 0.42 * X_1 + 0.16 * X_2$	0.92
Alexander	$Y = -249 + 0.06 * X_1 + 0.35 * X_2$	0.40
Bond	$Y = -124 + 0.43 * X_2$	0.89
Boone	$Y = -66 + 0.26 * X_1 + 0.21 * X_2$	0.94
Brown	$Y = -952 + 0.28 * X_1 + 0.48 * X_2$	0.91
Bureau	$Y = -356 + 0.26 * X_1 + 0.19 * X_2$	0.99
Calhoun	$Y = -333 + 0.51 * X_2$	0.93
Carroll	$Y = -517 + 0.44 * X_2$	0.91
Cass	$Y = -299 + 0.55 * X_1 + 0.09 * X_2$	0.99
Champaign	$Y = -97 + 0.32 * X_1 + 0.20 * X_2$	0.99
Christian	$Y = -98 + 0.38 * X_1 + 0.15 * X_2$	0.90
Clark	$Y = -246 + 0.39 * X_1 + 0.26 * X_2$	0.96
Clay	$Y = -146 + 0.01 * X_1 + 0.39 * X_2$	0.91
Clinton	$Y = -149 + 0.03 * X_1 + 0.29 * X_2$	0.90
Coles	$Y = -129 + 0.49 * X_1 + 0.14 * X_2$	0.98
Crawford	$Y = -217 + 0.23 * X_1 + 0.36 * X_2$	0.92
Cumberland	$Y = -176 + 0.54 * X_1 + 0.12 * X_2$	0.99
DeKalb	$Y = -157 + 0.23 * X_1 + 0.45 * X_2$	0.99
Dewitt	$Y = -169 + 0.43 * X_1 + 0.28 * X_2$	0.95
Douglas	$Y = -63 + 0.23 * X_1 + 0.22 * X_2$	0.95
Edgar	$Y = -134 + 0.48 * X_1 + 0.18 * X_2$	0.96
Edwards	$Y = -99 + 0.47 * X_1 + 0.13 * X_2$	1.00
Effingham	$Y = -171 + 0.18 * X_1 + 0.31 * X_2$	0.88
Fayette	$Y = -429 + 0.32 * X_1 + 0.24 * X_2$	0.97
Ford	$Y = -17 + 0.25 * X_2$	0.89
Franklin	$Y = -107 + 0.08 * X_1 + 0.28 * X_2$	0.94
Fulton	$Y = -612 + 0.15 * X_1 + 0.36 * X_2$	0.92
Gallatin	$Y = -209 + 0.46 * X_2$	0.82
Greene	$Y = -133 + 0.31 * X_2$	0.91
Grundy	$Y = -377 + 1.15 * X_1 + 0.01 * X_2$	0.91

Table 19. - continued.

Table 19. Continued - page 2.

County	Regression Equation	R ²
Hamilton	$Y = -67 + 0.29 * X_2$	0.92
Hancock	$Y = -938 + 0.53 * X_2$	0.85
Hardin	$Y = -439 + 0.53 * X_2$	0.69
Henderson	$Y = -338 + 0.41 * X_2$	0.89
Henry	$Y = -179 + 0.07 * X_1 + 0.38 * X_2$	0.87
Iroquois	$Y = -137 + 0.53 * X_1 + 0.08 * X_2$	1.00
Jackson	$Y = -1284 + 0.62 * X_2$	0.82
Jasper	$Y = -238 + 0.65 * X_1 + 0.07 * X_2$	0.95
Jefferson	$Y = -240 + 0.06 * X_1 + 0.33 * X_2$	0.91
Jersey	$Y = -212 + 0.40 * X_1 + 0.22 * X_2$	0.94
Jo Daviess	$Y = 2008 + 0.30 * X_1 + 0.49 * X_2$	0.99
Johnson	$Y = -1359 + 0.16 * X_1 + 0.66 * X_2$	0.73
Kankakee	$Y = -60 + 0.17 * X_1 + 0.21 * X_2$	0.97
Kendall	$Y = 185 + 1.16 * X_2$	0.88
Knox	$Y = -623 + 0.21 * X_1 + 0.37 * X_2$	0.92
LaSalle	$Y = -281 + 0.02 * X_1 + 0.42 * X_2$	0.93
Lawrence	$Y = -104 + 0.28 * X_1 + 0.21 * X_2$	0.94
Lee	$Y = -449 + 0.29 * X_1 + 0.42 * X_2$	0.93
Livingston	$Y = -162 + 0.06 * X_1 + 0.44 * X_2$	0.94
Logan	$Y = -104 + 0.35 * X_1 + 0.21 * X_2$	0.91
McDonough	$Y = -277 + 0.34 * X_1 + 0.20 * X_2$	0.83
McHenry	$Y = -121 + 0.31 * X_1 + 0.12 * X_2$	0.90
McLean	$Y = -292 + 0.59 * X_1 + 0.23 * X_2$	0.96
Macon	$Y = -84 + 0.16 * X_1 + 0.30 * X_2$	0.86
Macoupin	$Y = -461 + 0.31 * X_1 + 0.34 * X_2$	0.90
Madison	$Y = -132 + 0.38 * X_1 + 0.13 * X_2$	0.92
Marion	$Y = -189 + 0.32 * X_1 + 0.17 * X_2$	0.87
Marshall	$Y = -138 + 0.10 * X_1 + 0.28 * X_2$	0.90
Mason	$Y = -793 + 1.06 * X_1 + 0.30 * X_2$	0.92
Massac	$Y = -96 + 0.09 * X_1 + 0.48 * X_2$	0.61
Menard	$Y = -236 + 0.48 * X_1 + 0.24 * X_2$	0.96
Mercer	$Y = -107 + 0.15 * X_1 + 0.46 * X_2$	0.84
Monroe	$Y = -308 + 0.04 * X_1 + 0.38 * X_2$	0.79

Table 19. - continued.

Table 19. Continued - page 3.

County	Regression Equation	R ²
Montgomery	$Y = -178 + 0.38 * X_2$	0.92
Morgan	$Y = -260 + 0.55 * X_1 + 0.15 * X_2$	0.99
Moultrie	$Y = -57 + 0.26 * X_2$	0.94
Ogle	$Y = -519 + 0.23 * X_1 + 0.39 * X_2$	0.91
Peoria	$Y = 296 + 0.11 * X_1 + 0.40 * X_2$	0.94
Perry	$Y = -504 + 0.68 * X_1 + 0.13 * X_2$	0.91
Platt	$Y = -101 + 0.31 * X_1 + 0.26 * X_2$	0.96
Pike	$Y = -1190 + 0.48 * X_2$	0.85
Pope	$Y = -4472 + 0.43 * X_1 + 0.79 * X_2$	0.93
Pulaski	$Y = -180 + 0.24 * X_1 + 0.29 * X_2$	0.85
Putnam	$Y = -170 + 0.25 * X_1 + 0.28 * X_2$	0.96
Randolph	$Y = -615 + 0.06 * X_1 + 0.41 * X_2$	0.88
Richland	$Y = -76 + 0.32 * X_2$	0.86
Rock Island	$Y = -685 + 0.73 * X_2$	0.78
St. Clair	$Y = -87 + 0.26 * X_2$	0.85
Saline	$Y = -763 + 0.46 * X_1 + 0.45 * X_2$	0.77
Sangamon	$Y = -85 + 0.30 * X_2$	0.85
Schuyler	$Y = -1055 + 0.44 * X_1 + 0.52 * X_2$	0.95
Scott	$Y = -140 + 0.36 * X_1 + 0.15 * X_2$	0.92
Shelby	$Y = -188 + 0.08 * X_1 + 0.27 * X_2$	0.96
Stark	$Y = -21 + 0.27 * X_2$	0.62
Stephenson	$Y = -490 + 0.48 * X_1 + 0.30 * X_2$	0.97
Tazewell	$Y = -341 + 0.78 * X_1 + 0.11 * X_2$	0.89
Union	$Y = -2806 + 0.44 * X_1 + 1.03 * X_2$	0.98
Vermilion	$Y = -88 + 0.53 * X_1 + 0.04 * X_2$	0.98
Wabash	$Y = -77 + 0.27 * X_1 + 0.23 * X_2$	0.97
Warren	$Y = -227 + 0.27 * X_1 + 0.29 * X_2$	0.96
Washington	$Y = -401 + 0.28 * X_1 + 0.27 * X_2$	0.99
Wayne	$Y = -239 + 0.26 * X_1 + 0.34 * X_2$	0.87
White	$Y = -245 + 0.74 * X_1 + 0.12 * X_2$	0.99
Whiteside	$Y = -172 + 0.17 * X_1 + 0.20 * X_2$	0.96
Will	$Y = -93 + 0.15 * X_1 + 0.22 * X_2$	0.86
Williamson	$Y = -1806 + 0.37 * X_1 + 0.79 * X_2$	0.96
Winnebago	$Y = -253 + 0.20 * X_1 + 0.27 * X_2$	0.93
Woodford	$Y = -263 + 0.40 * X_1 + 0.22 * X_2$	1.00

Table 20. Influence of demographic parameters on population changes in white-tailed deer.

Variable	Standard Value	Altered Value	Output change - a Input change
Fawn sex ratio-		0.54	3.23
Proportion females	0.47	0.40	2.32
Fawn reproduction-		0.40	0.66
Young/female	0.70	1.00	0.97
Yearling reproduction-		1.70	1.15
Young/female	2.00	2.30	1.37
Adult reproduction-		1.80	1.57
Young/female	2.10	2.40	1.82
Summer mortality			
Fawn males	0.10	0.00 0.20	0.06 0.06
Fawn females	0.10	0.00 0.20	0.41 0.31
Yearling males	0.05	0.01 0.10	0.02 0.02
Yearling females	0.05	0.01 0.10	0.14 0.13
Adult males	0.10	0.05 0.15	0.04 0.04
Adult females	0.10	0.05 0.15	0.38 0.32
Winter-spring mortality			
Fawn males	0.10	0.05 0.15	0.03 0.03
Fawn females	0.10	0.05 0.15	0.36 0.03
Fawn females	0.10	0.05 0.15	0.36 0.31
Yearling males	0.05	0.01 0.10	0.01 0.01
Yearling females	0.05	0.01 0.10	0.14 0.12

Adult males	0.10	0.05 0.15	0.02 0.02
Adult females	0.10	0.05 0.15	0.36 0.30
Harvest mortality			
Antlered	0.40	0.20 0.60	0.32 0.17
Antlerless	0.30	0.20 0.40	6.59 2.22

^aOutput change = (PAV - PSV) - PSV

 where PAV = population after 10 years under altered value

 PSV = population after 10 years under standard value

Input change = (altered value - standard value) - standard value

Table 21. Regressions describing trends in demand for deer hunting permits in 98 counties in Illinois. The demand for permits is based on the number of first choice requests for a county each year from 1981 through 1985. The variables Y and X are the estimated number of first choice requests and year (1981=1, 1982=2.....1985=5), respectively. The symbol "*" indicates multiplication.

County	Regression Equation	R ²	Projected demand in 1990	
			No. of Requests	% Increase Over 1985
Adams	$Y = 1061 + 200.9 * X$	0.99	3070	47
Alexander	$Y = 542 + 44.9 * X$	0.87	991	34
Bond	$Y = 229 + 67.2 * X$	0.98	901	59
Boone	$Y = 41 + 40.7 * X$	0.95	448	93
Brown	$Y = 425 + 102.2 * X$	0.98	1447	51
Bureau	$Y = 542 + 50.9 * X - 1.9 * X^2$	0.78	858	15
Calhoun	$Y = 466 * X^{0.288}$	0.95	904	25
Carroll	$Y = 930 + 63.1 * X$	0.89	1561	25
Cass	$Y = 333 + 76.7 * X$	0.96	1100	55
Champaign	$Y = 64 + 47.4 * X - 2.2 * X^2$	0.95	317	34
Christian	$Y = 234 * X^{0.394}$	0.98	580	36
Clark	$Y = 216 + 52.4 * X$	0.96	740	50
Clay	$Y = 198 + 64.7 * X$	0.93	847	65
Clinton	$Y = 484 + 63.0 * X$	0.96	1114	41
Coles	$Y = 138 + 61.2 * X$	0.94	750	67
Crawford	$Y = 345 + 42.4 * X$	1.00	769	39
Cumberland	$Y = 101 + 68.3 * X$	0.95	784	86
DeKalb	$Y = 192 * X^{0.414}$	0.90	498	38
Dewitt	$Y = 243 * X^{0.241}$	0.98	423	20
Douglas	$Y = 57 + 15.5 * X + 1.9 * X^2$	0.99	402	126

Table 21. - continued.

Table 21. Continued - page 2.

County	Regression Equation	R ²	Projected demand in 1990	
			No. of Requests	% Increase Over 1985
Edgar	$Y = 160 + 55.6 * X$	0.97	716	58
Edwards	$Y = 127 * X^{0.452}$	0.99	360	42
Effingham	$Y = 279 * X^{0.371}$	0.99	656	29
Fayette	$Y = 633 * X^{0.384}$	0.92	1533	34
Ford	$Y = 19.0 * X^{0.835}$	0.89	130	100
Franklin	$Y = 305 * X^{0.447}$	0.95	854	42
Fulton	$Y = 1144 + 68.6 * X$	0.97	1830	22
Gallatin	$Y = 96 + 77.7 * X$	0.85	873	69
Greene	$Y = 280 + 78.3 * X$	0.98	1063	55
Grundy	$Y = 333 + 59.1 * X - 2.7 * X^2$	1.00	654	16
Hamilton	$Y = 260 + 75.0 * X$	0.98	1010	63
Hancock	$Y = 1052 + 55.1 * X$	0.84	1603	21
Hardin	$Y = 798 * X^{0.226}$	0.99	1343	16
Henderson	No relationship			
Henry	$Y = 197 + 16.4 * X$	0.58	361	34
Iroquois	$Y = 252 + 95.1 * X$	0.97	1203	70
Jackson	$Y = 1796 * X^{0.253}$	0.98	3216	20
Jasper	$Y = 285 * X^{0.408}$	0.97	729	36
Jefferson	$Y = 532 + 103.6 * X$	0.97	1568	51
Jersey	$Y = 202 + 49.6 * X$	0.91	698	53
Jo Daviess	$Y = 2181 * X^{0.185}$	0.99	3339	13
Johnson	$Y = 1596 * X^{0.138}$	0.90	2193	10
Kankakee	$Y = 198 * X^{0.256}$	0.93	356	18
Kendall	$Y = 72 + 22.2 * X$	0.95	294	57
Knox	$Y = 732 + 44.6 * X$	0.80	1178	22
LaSalle	$Y = 850 * X^{0.225}$	0.91	1427	18
Lawrence	$Y = 205 * X^{0.423}$	0.95	543	36
Lee	$Y = 311 + 76.0 * X$	0.95	1071	53

Table 21. - continued.

Table 21. Continued - page 3.

County	Regression Equation	R ²	Projected demand In 1990	
			No. of Requests	% Increase Over 1985
Livingston	$Y = 283 + 26.9 * X$	0.98	552	31
Logan	$Y = 99 + 38.9 * X$	0.97	488	68
McDonough	Y = No relationship			
McHenry	$Y = 364 + 150.7 * X$	0.98	1871	73
McLean	$Y = 247 + 71.7 * X$	0.94	964	64
Macon	$Y = 117 + 25.3 * X$	0.98	370	49
Macoupin	$Y = 570 * X^{0.334}$	0.91	1230	25
Madison	$Y = 211 + 74.1 * X$	0.97	952	66
Marion	$Y = 378 * X^{0.467}$	0.99	1108	39
Marshall	$Y = 324 + 24.3 * X$	0.83	567	39
Mason	$Y = 584 + 35.5 * X$	0.71	939	31
Massac	$Y = 14 + 29.4 * X$	0.89	308	125
Menard	$Y = 128 + 31.6 * X$	0.96	444	53
Mercer	No relationship			
Monroe	$Y = 837 * X^{0.184}$	0.91	1279	16
Montgomery	$Y = 242 + 103.0 * X - 1.6 * X^2$	0.97	1112	59
Morgan	$Y = 195 + 76.2 * X$	0.98	957	64
Moultrie	$Y = 373 * X^{0.242}$	0.98	651	21
Ogle	$Y = 600 + 103.4 * X$	0.96	1634	44
Peoria	$Y = 826 + 73.0 * X$	0.89	1556	36
Perry	$Y = 417 + 118.7 * X$	0.97	1604	57
Platt	$Y = 88 + 22.3 * X$	0.90	311	64
Pike	$Y = 1146 * X^{0.355}$	0.98	2595	26
Pope	$Y = 3242 * X^{.075}$	0.97	3853	8
Pulaski	$Y = 75 + 47.0 * X$	0.94	545	77
Putnam	$Y = 264 + 8.0 * X$	0.93	344	13
Randolph	$Y = 932 * X^{0.326}$	0.96	1974	27
Richland	$Y = 143 * X^{0.646}$	0.95	633	73

Table 21. - continued.

Table 21. Continued - page 4.

County	Regression Equation	R ²	Projected demand in 1990	
			No. of Requests	% Increase Over 1985
Rock Island	$Y = 504 + 39.7 * X$	0.56	901	29
St. Clair	$Y = 563 * X^{0.319}$	0.98	1174	25
Saline	$Y = 331 + 111.3 * X$	0.95	1444	64
Sangamon	$Y = 336 * X^{0.331}$	0.92	720	22
Schuyler	$Y = 639 + 72.5 * X$	0.96	1364	35
Scott	$Y = 67 + 26.0 * X$	0.80	327	48
Shelby	$Y = 692 * X^{0.292}$	0.92	1356	28
Stark	No relationship			
Stephenson	$Y = 487 * X^{0.362}$	0.98	1121	27
Tazewell	$Y = 447 * X^{0.199}$	0.99	707	14
Union	$Y = 1803 * X^{0.089}$	0.80	2213	8
Vermilion	$Y = 418 * X^{0.360}$	0.94	958	29
Wabash	$Y = 51 + 28.4 * X$	0.91	335	65
Warren	$Y = 175 + 20.9 * X$	0.46	384	27
Washington	$Y = 632 + 90.0 * X$	0.96	1532	41
Wayne	$Y = 296 + 43.5 * X$	0.94	731	44
White	$Y = 78 + 77.5 * X$	0.95	855	83
Whiteside	$Y = 318 + 15.1 * X$	0.57	469	20
Will	$Y = 240 * X^{0.394}$	0.99	595	32
Williamson	$Y = 973 * X^{0.225}$	0.92	1633	17
Winnebago	$Y = 157 + 106.8 * X$	0.93	1225	68
Woodford	$Y = 567.9 * X^{0.131}$	0.94	768	13

Table 22. Outline for bulletin summarizing Allerton Study.

LIFE HISTORY AND ECOLOGY OF WHITE-TAILED DEER IN EAST-CENTRAL ILLINOIS,
AN INTENSIVELY FARMED REGION

1. INTRODUCTION AND ACKNOWLEDGEMENTS
2. HISTORY OF DEER IN EAST-CENTRAL ILLINOIS
 - A. Archeological evidence
 - B. Historical records
 - C. Recent history
3. THE LANDSCAPE AND VEGETATION OF EAST-CENTRAL ILLINOIS
 - A. Soils and topography
 - B. Climate
 - C. Past and current vegetation and land use
4. METHODS OF STUDY
5. RESULTS
 - A. Population characteristics
 1. Sex and age structure
 2. Reproduction
 3. Recruitment
 - a. Onsite reproduction
 - b. Ingress and egress
 - c. Seasonal migrations and dispersals
 4. Mortality
 - a. Legal hunting
 - b. Crippling losses
 - c. Highways
 - d. Poaching
 - e. Miscellaneous losses
 - f. Effects of an inviolate refuge on mortality
 5. Densities
 - B. Seasonal habitat selection
 1. Effects of sex, age, and reproductive condition
 2. Importance of agricultural habitats
 3. Summer vs. winter habitat selection
 - C. Nutrition and condition
 1. Weights and antler measurements
 2. Seasonal food habits
 3. Nutritional characteristics of the winter range
 4. Indices to deer condition in winter
 - D. Seasonal movements and dispersal behavior
 1. Effects of age and sex on dispersal behavior
 2. Environmental vs. innate influences on dispersal behavior
 3. Effects of dispersal behavior on mortality rates
 4. Effects of an inviolate refuge on seasonal movements

Table 22 - continued.

Table 22. Continued - page 2.

- E. Social behavior
 - 1. Familial bonds
 - 2. Effects of social behavior on home range selection and dispersal
 - F. Population models for intensively farmed landscapes
 - 1. Current and projected population characteristics
 - 2. Refuges and harvests
 - 3. Winter concentration behavior
 - 4. Woodlot attrition and deer mortality rates
 - 5. Effects of "any deer" and "buck only" harvests on refuges on harvests on surrounding farms
 - 6. DISCUSSION
 - 7. MANAGEMENT STRATEGIES FOR FARMLAND DEER
 - 8. LITERATURE CITED
-

MEAN SPRING ROAD KILLS

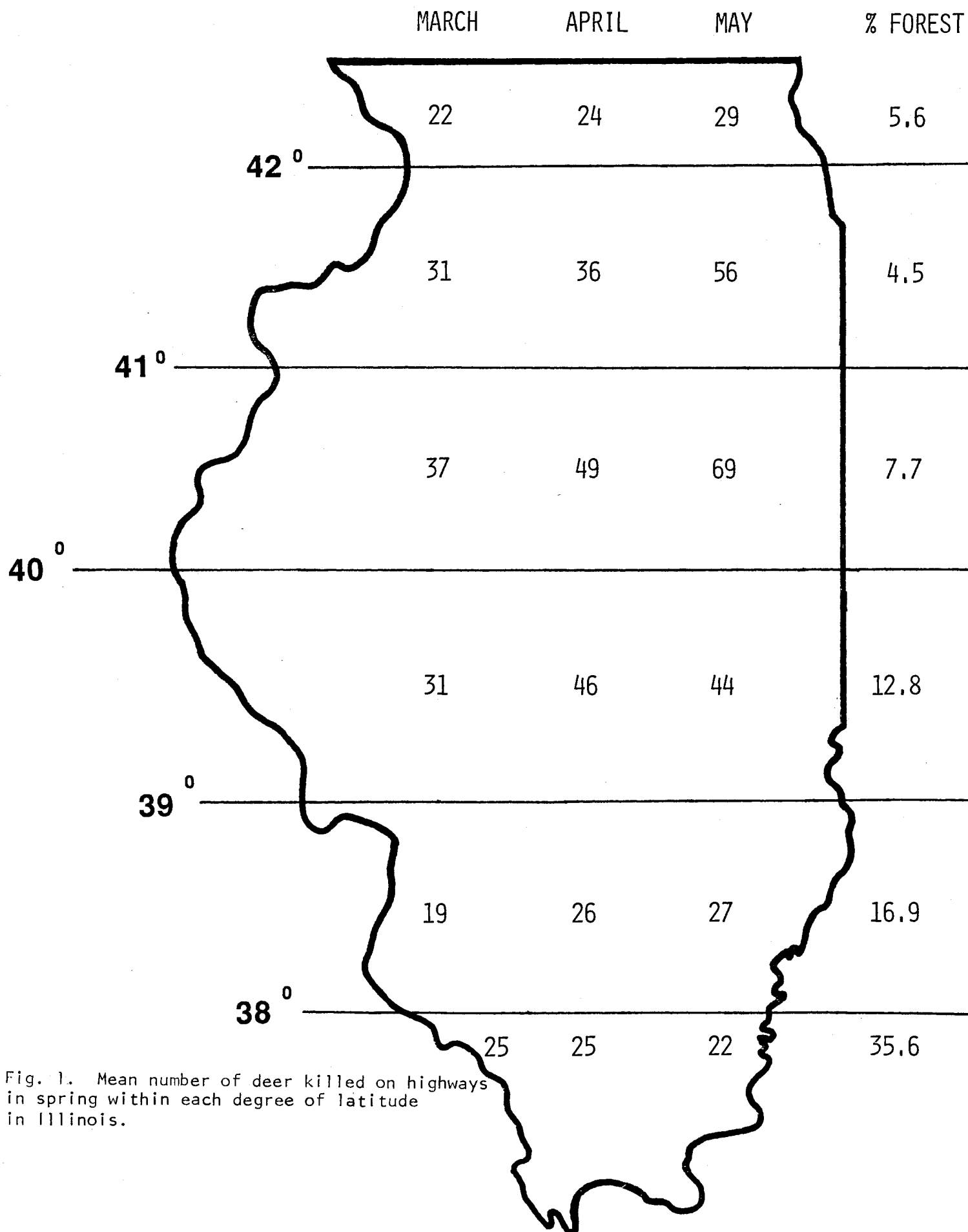


Fig. 1. Mean number of deer killed on highways in spring within each degree of latitude in Illinois.

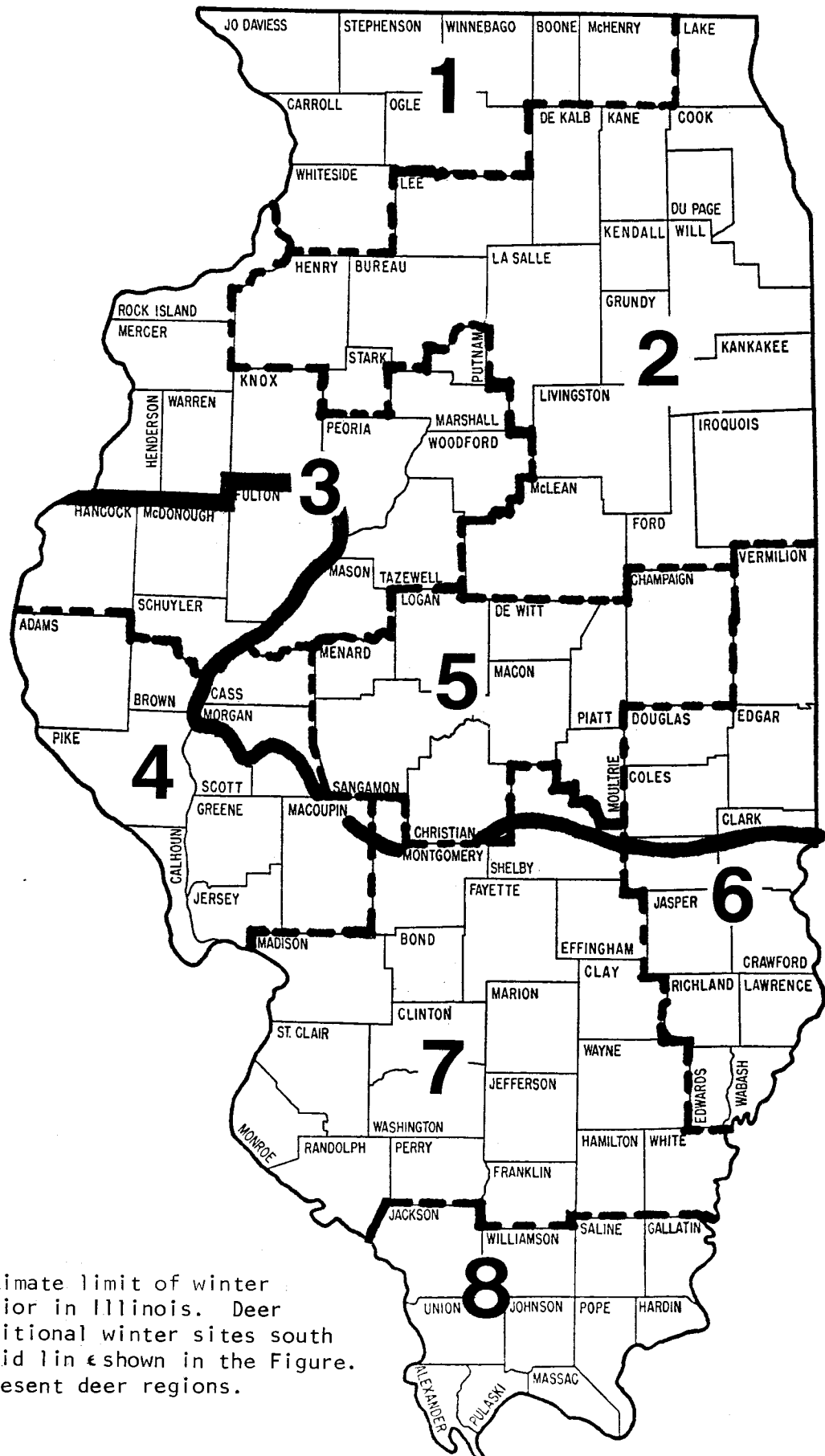


Fig. 2. The approximate limit of winter concentration behavior in Illinois. Deer do not move to traditional winter sites south and west of the solid line shown in the Figure. Numbers on map represent deer regions.

NOVEMBER - DECEMBER

LATE DECEMBER

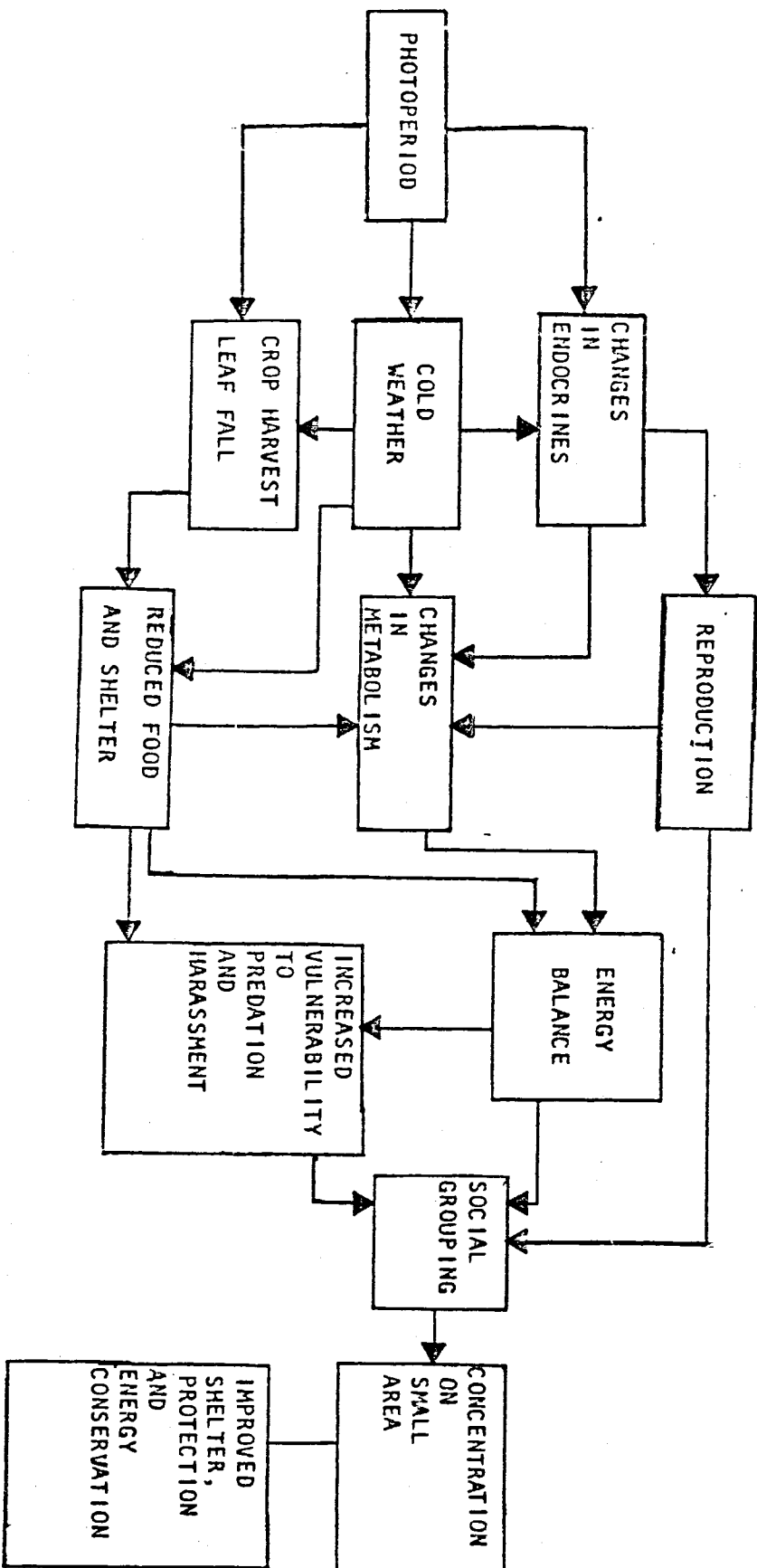


Fig. 3. A tentative conceptual model of factors influencing deer to congregate in winter in Illinois.

Fig. 4. Map of Illinois in which deer management regions are outlined.

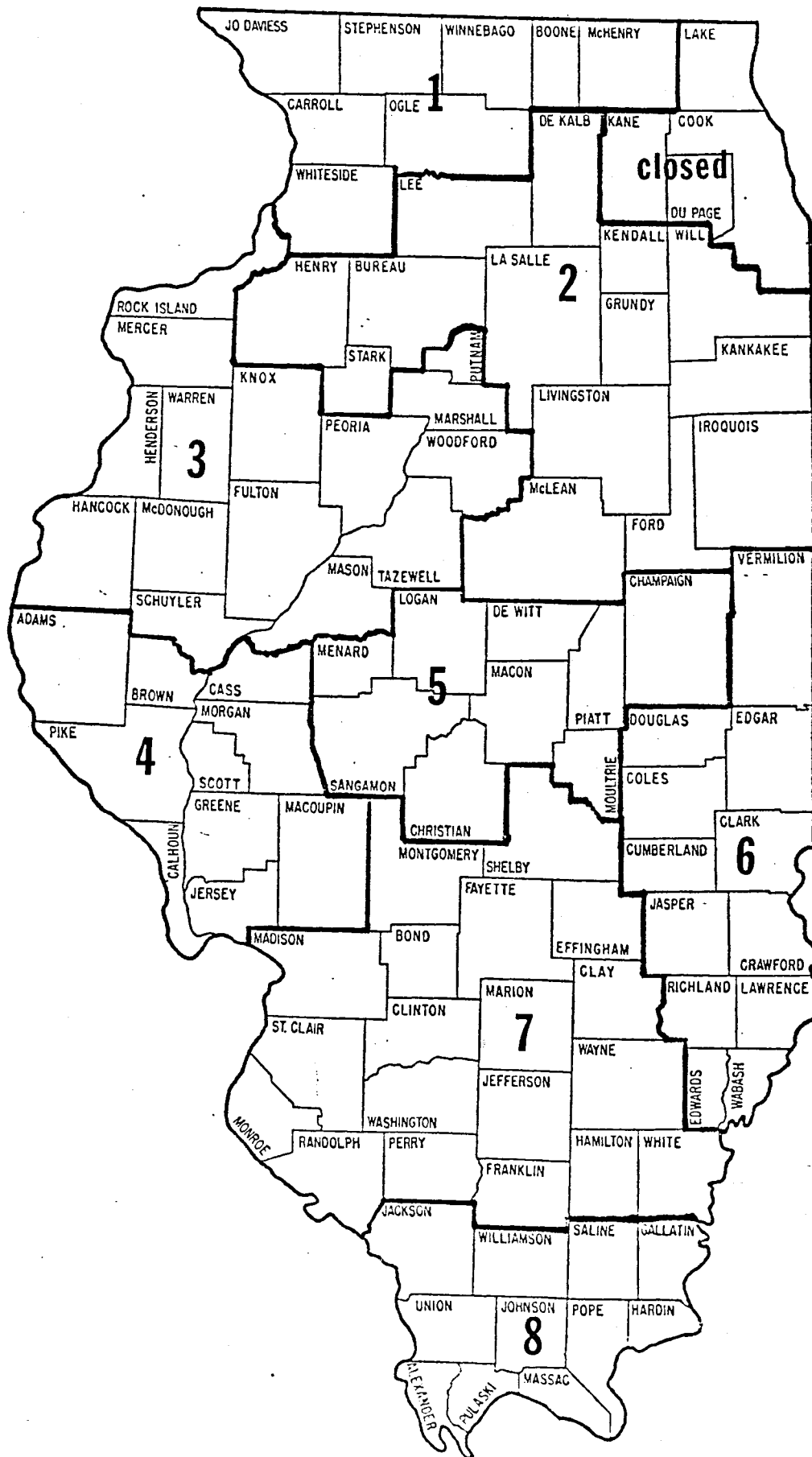


Fig. 6. Maps of Illinois showing the 23 deer regions grouped at the 0.8 cluster level. Regions 7 and 11 are shown in the map on the left, with all other regions blank. The other 21 regions are shown in the second map.

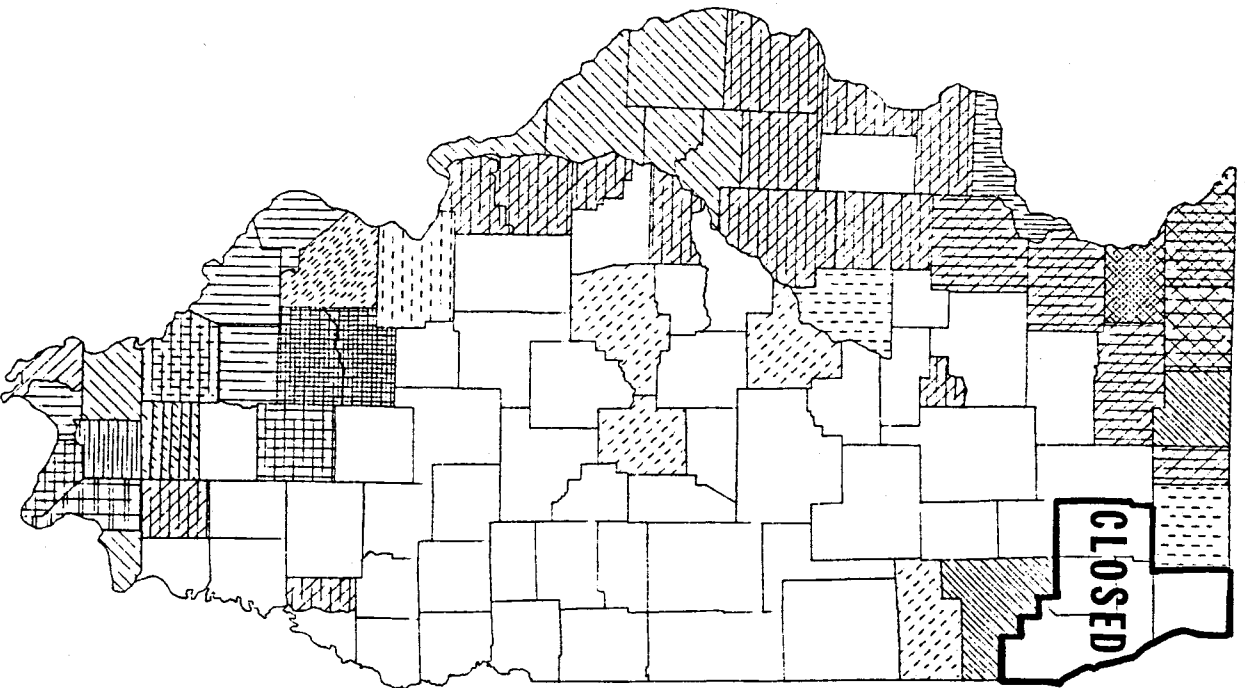
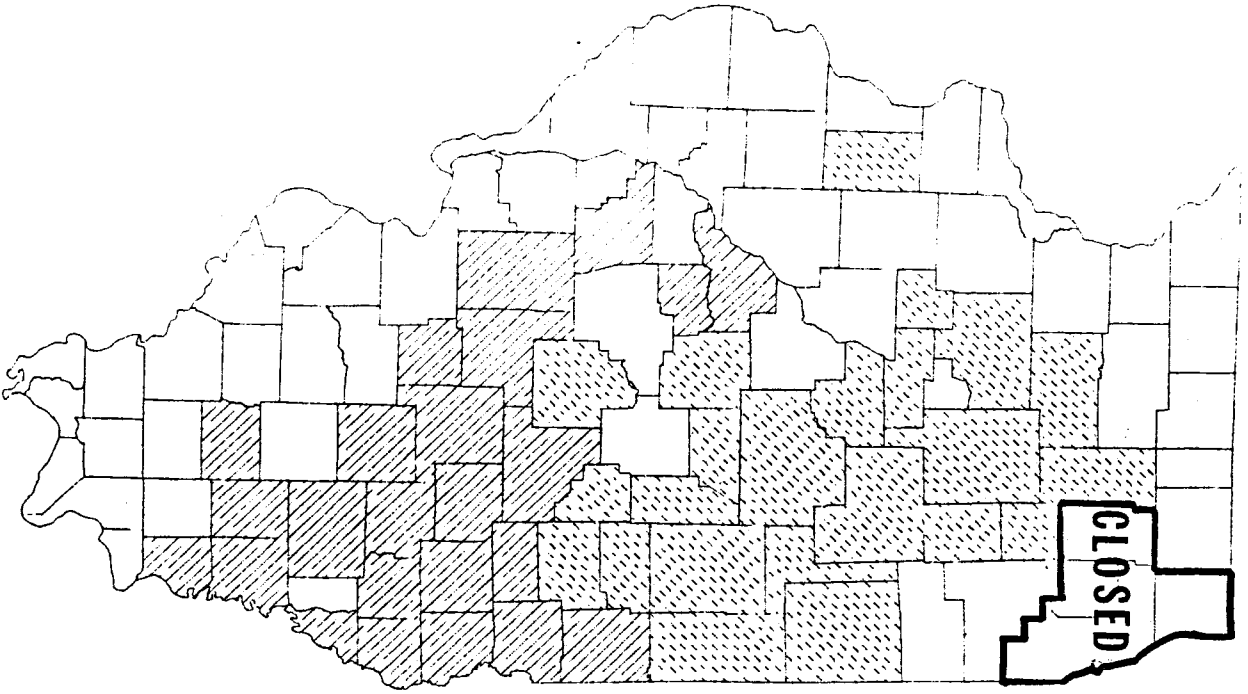


Fig. 7. Map of Illinois showing the 13 deer regions grouped at the 1.0 cluster level.

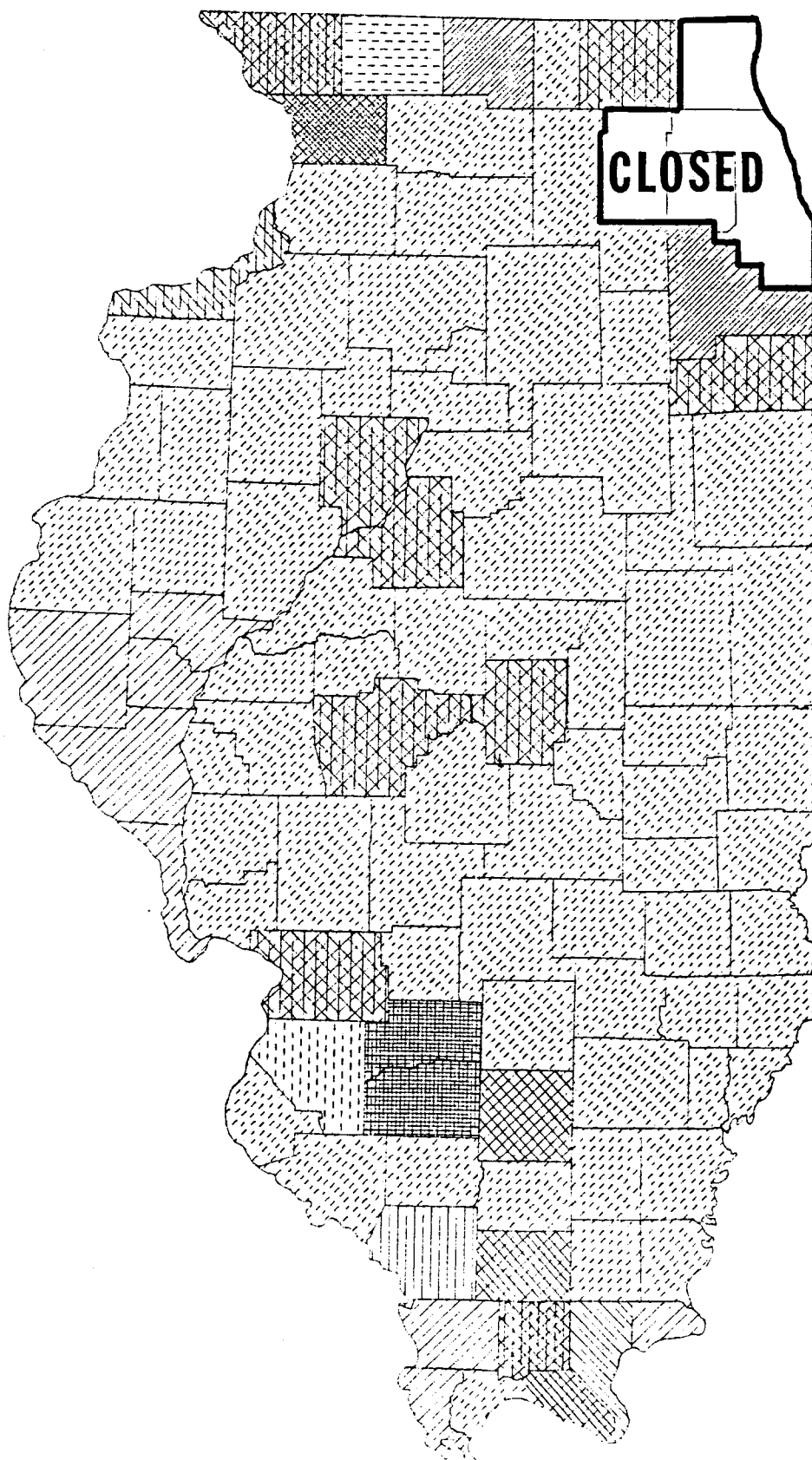


Fig. 8. Total number of deer harvested and percentage of hunters successful at harvesting a deer in Illinois from 1957 - 1985.

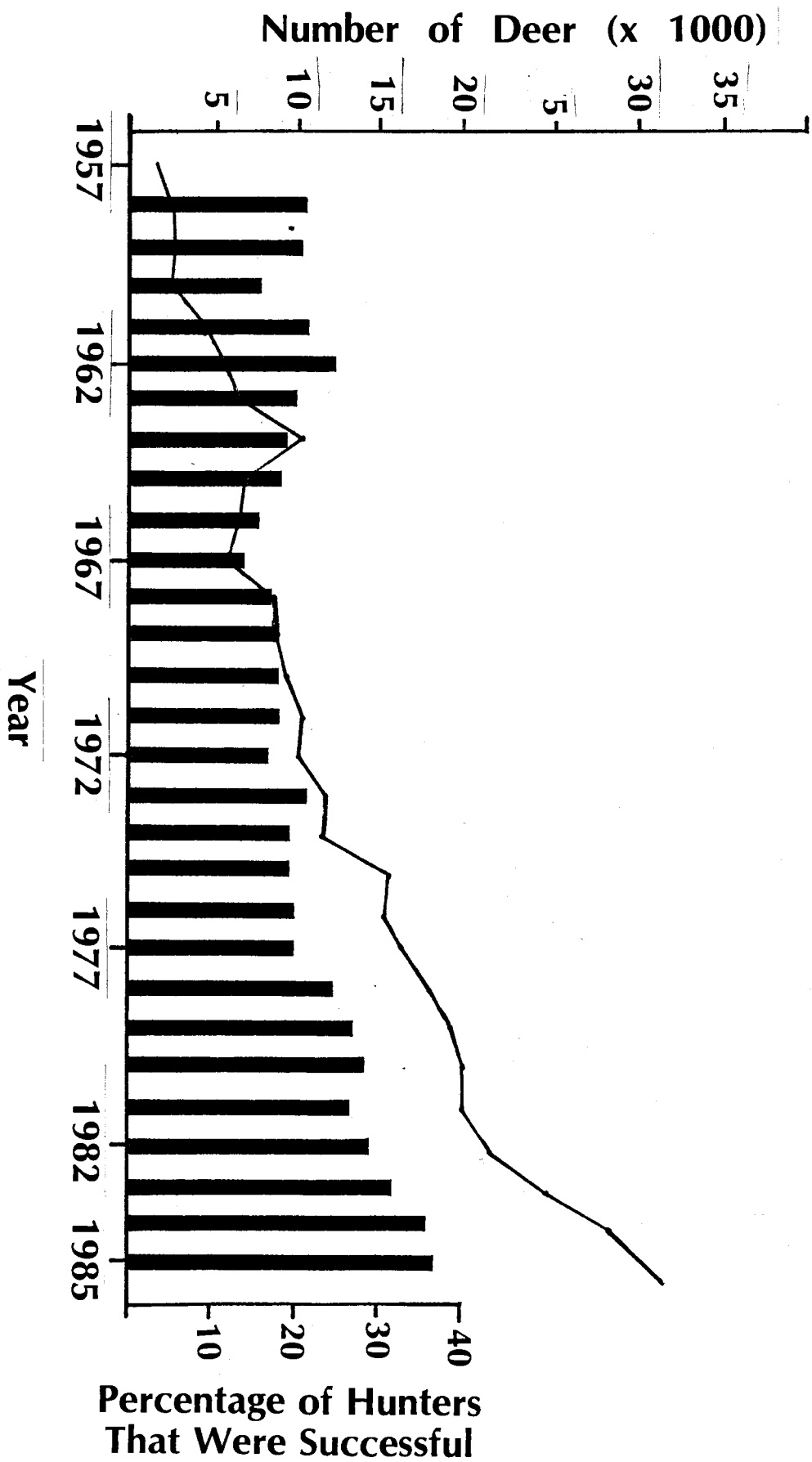


Fig. 9. Time sequence showing the cumulative number of counties open to firearm deer hunting and the total number of hunters in Illinois from 1957

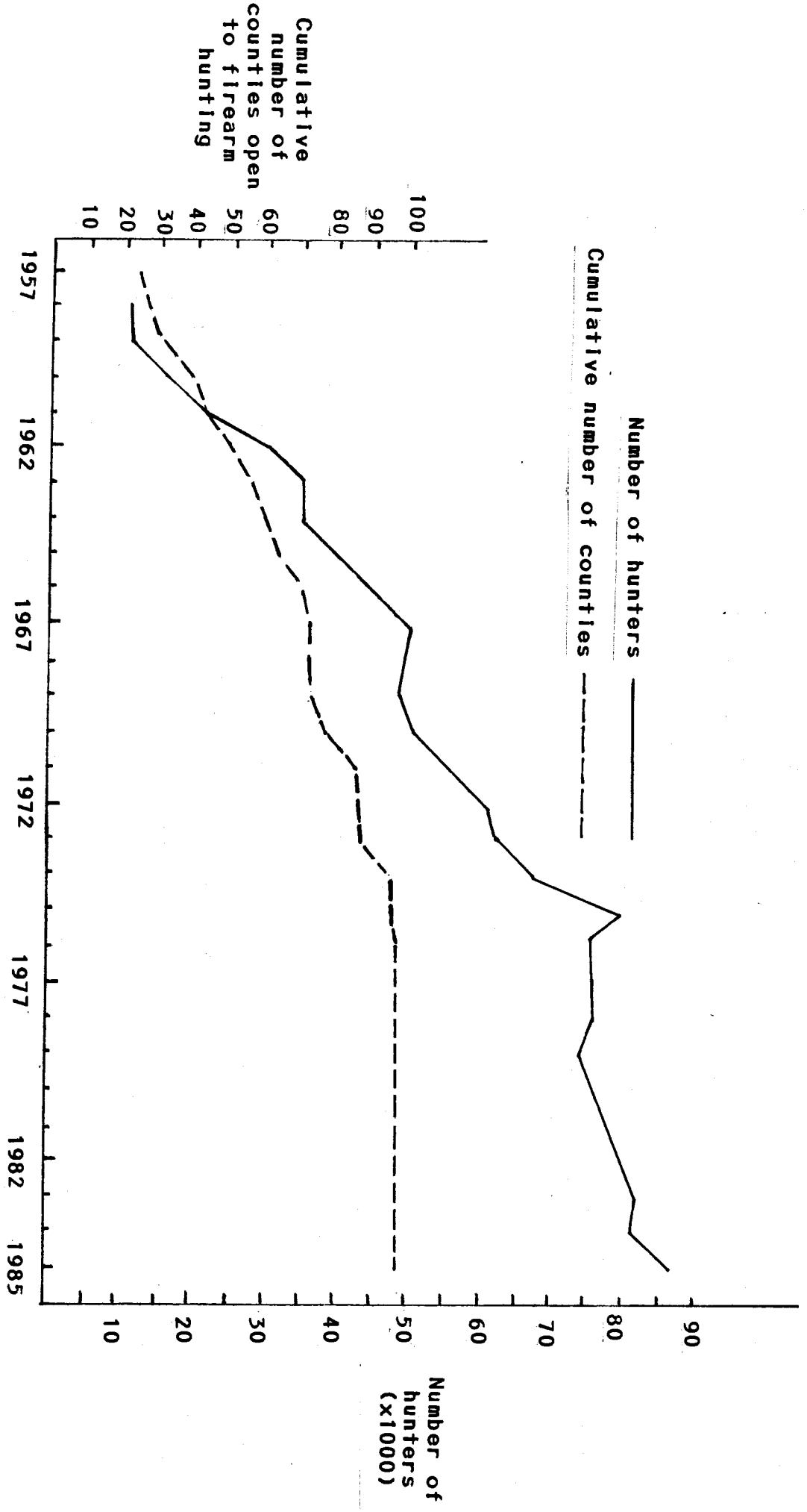


Fig. 10. Graph depicting the percentage of the total deer harvest in Illinois from 1957 through 1985 consisting of 0.5-, 1.5-, 2.5-, and ≥ 3.5 -year-old males and females.

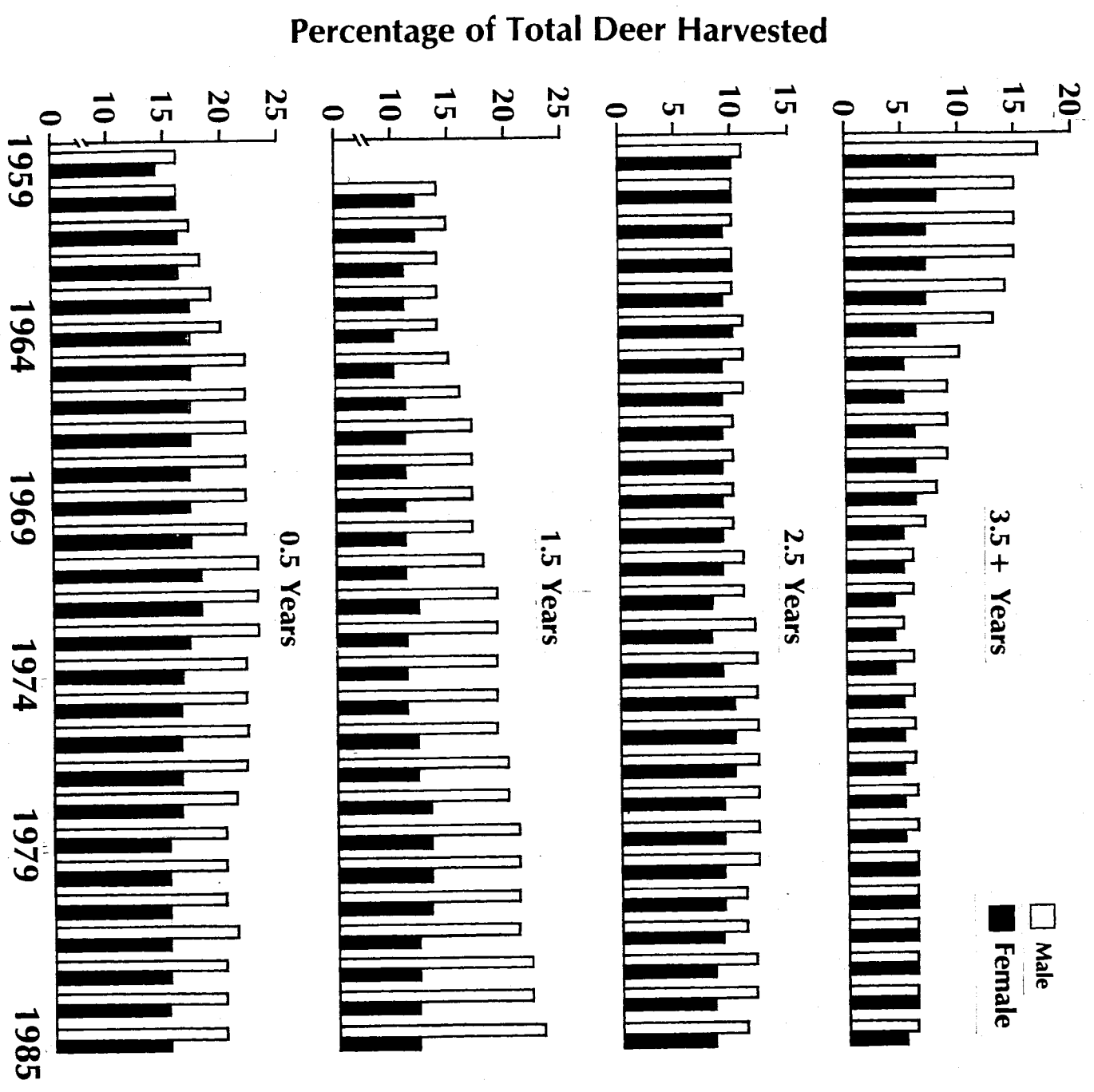


Fig. 11. Hypothetical and estimated growth of the deer herd in Illinois between 1957 and 1985. The hypothetical growth is the projected increase in the deer population without hunting.

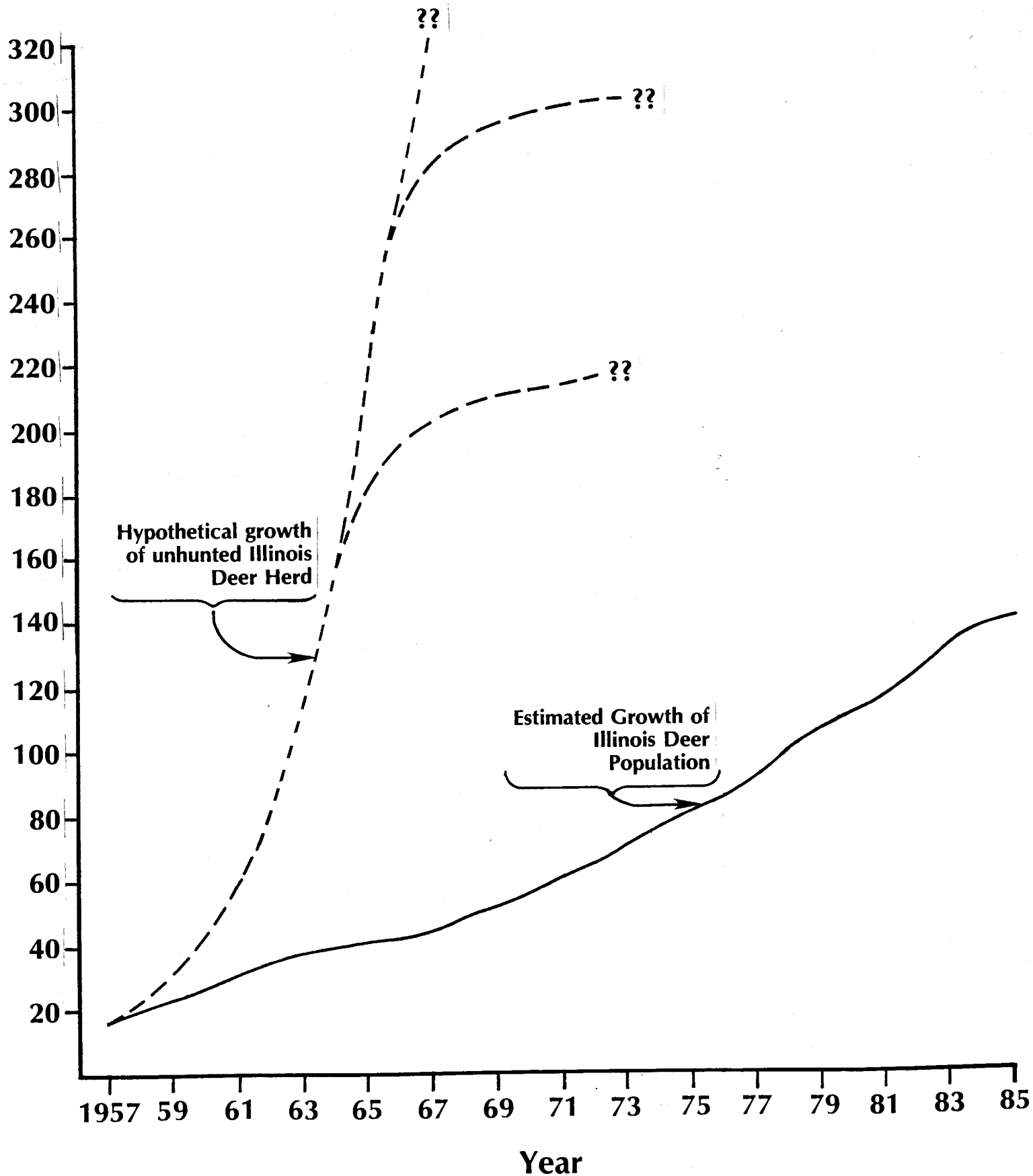


Fig. 12. Map of Illinois showing the estimated deer densities (no/km² of forest) of counties in 1985.

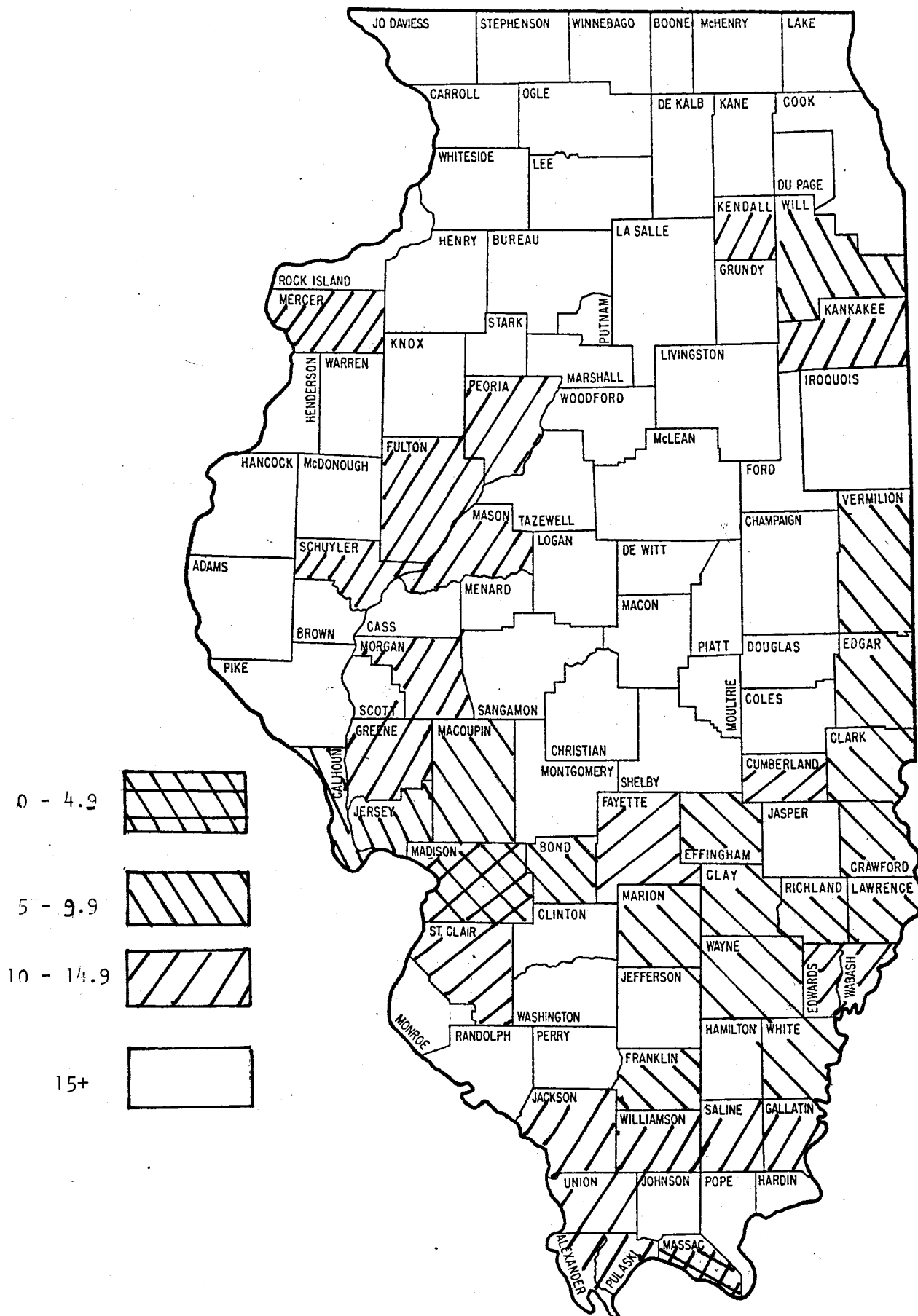


Fig. 13. Simulated effects of harvest on a hypothetical deer population. Mortality, reproduction, and harvest in the control population were such that a stable population was maintained. Harvest in the experimental population was varied.

Number of Deer

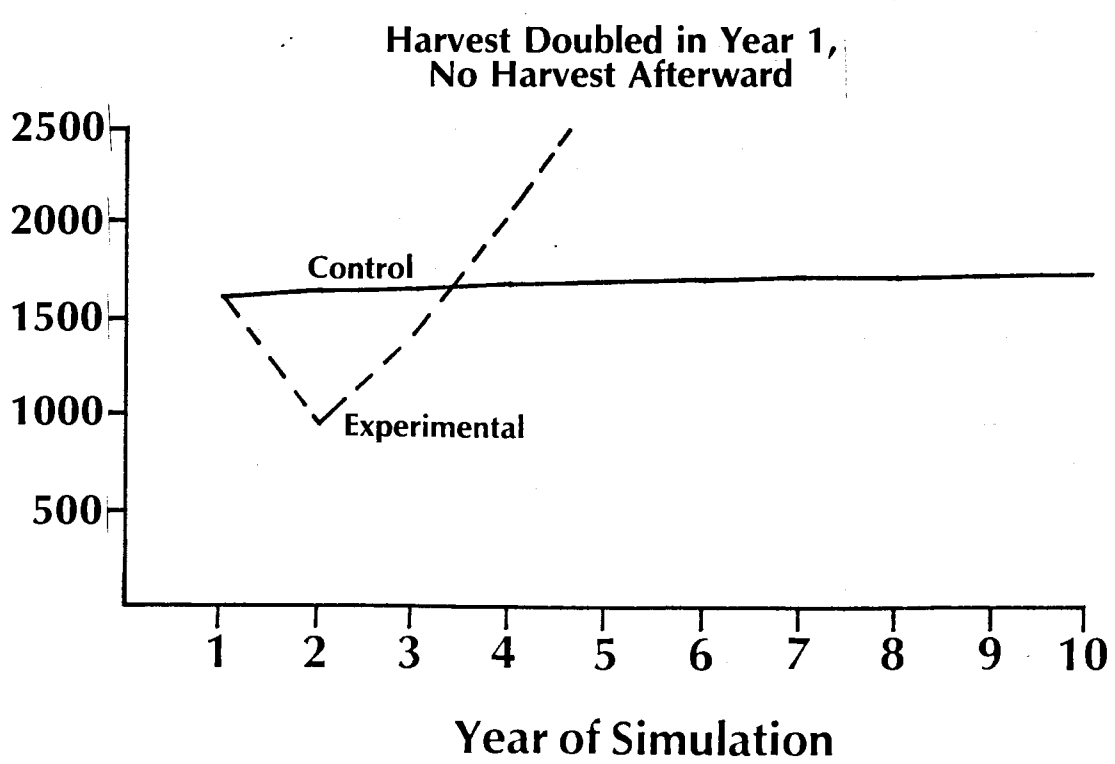
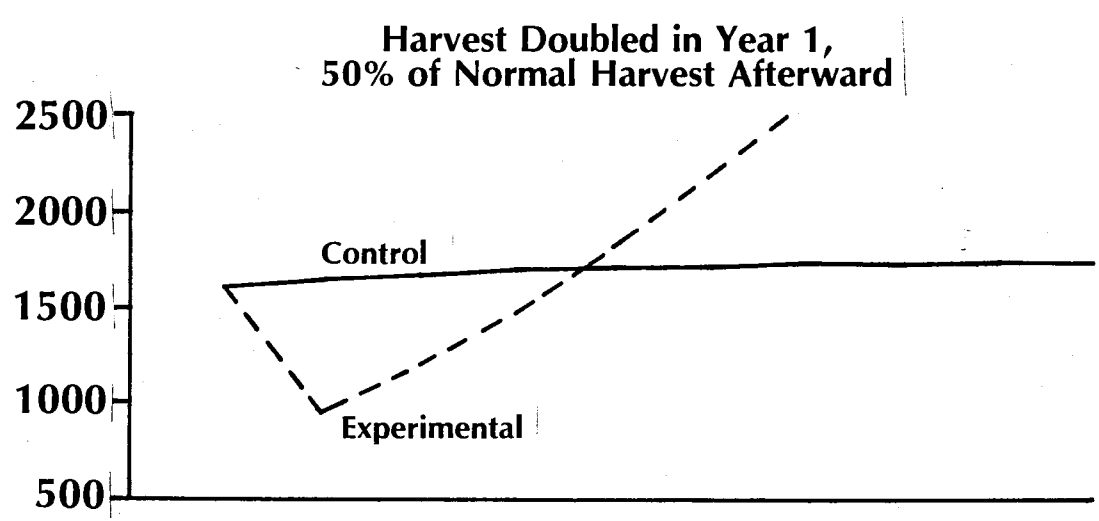
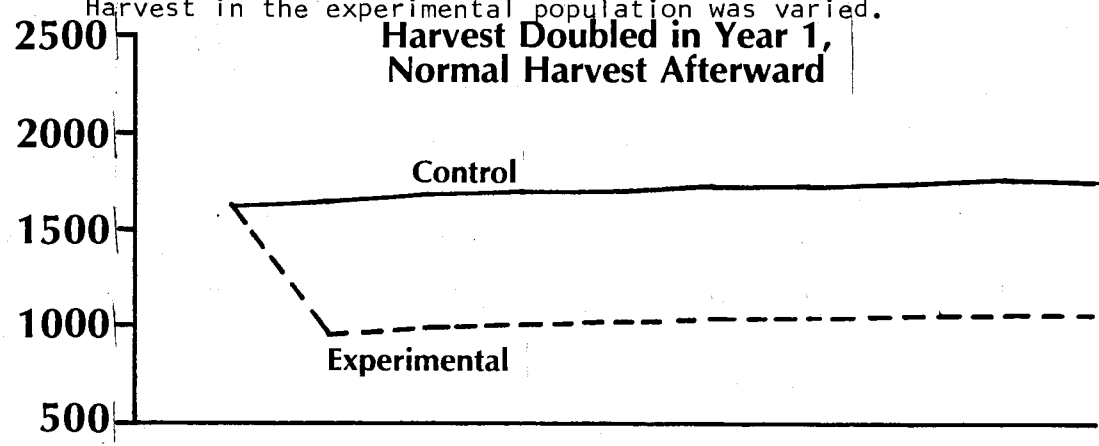


Fig. 14. Simulated effects of antlered harvest on total deer population size and abundance of potentially trophy males.

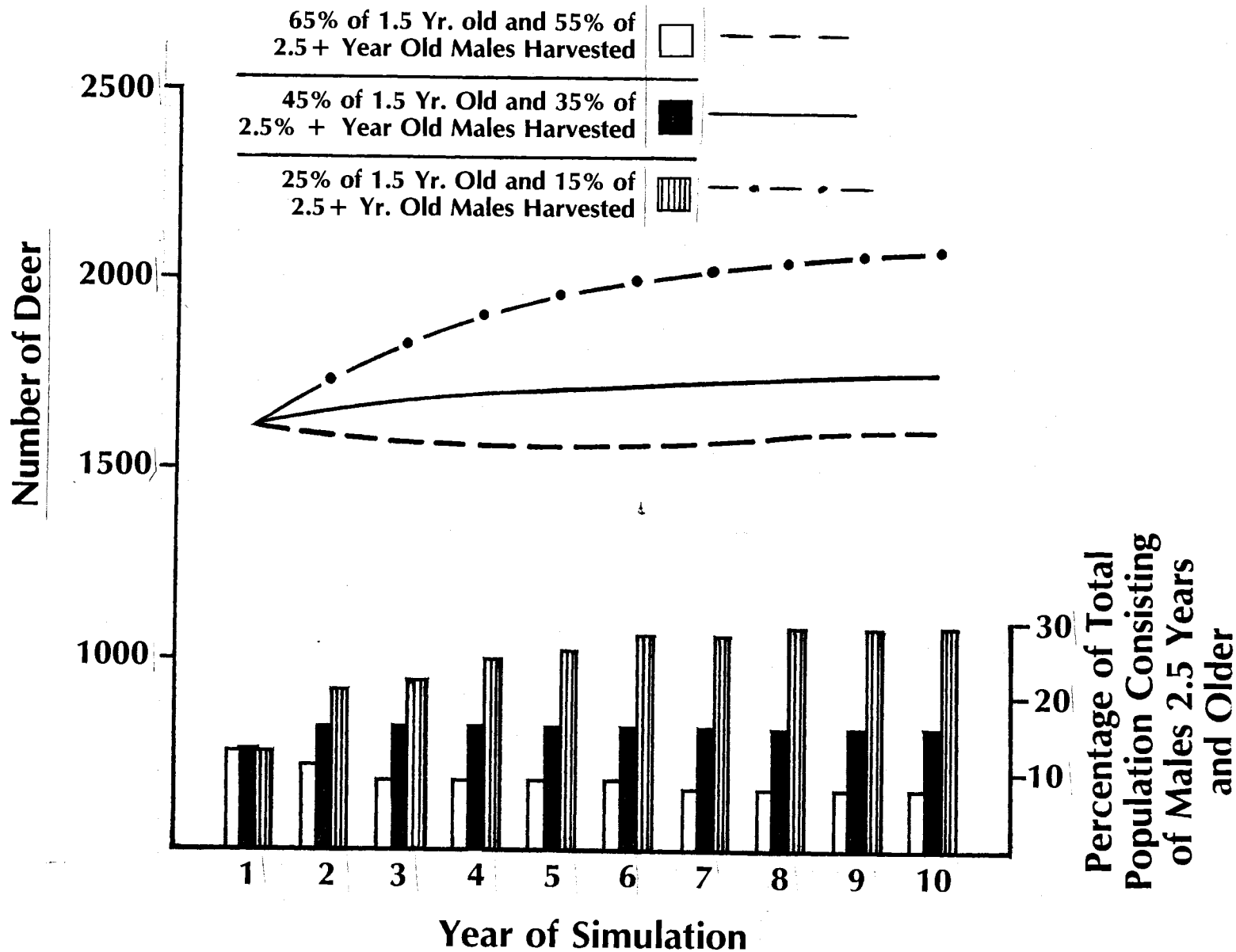
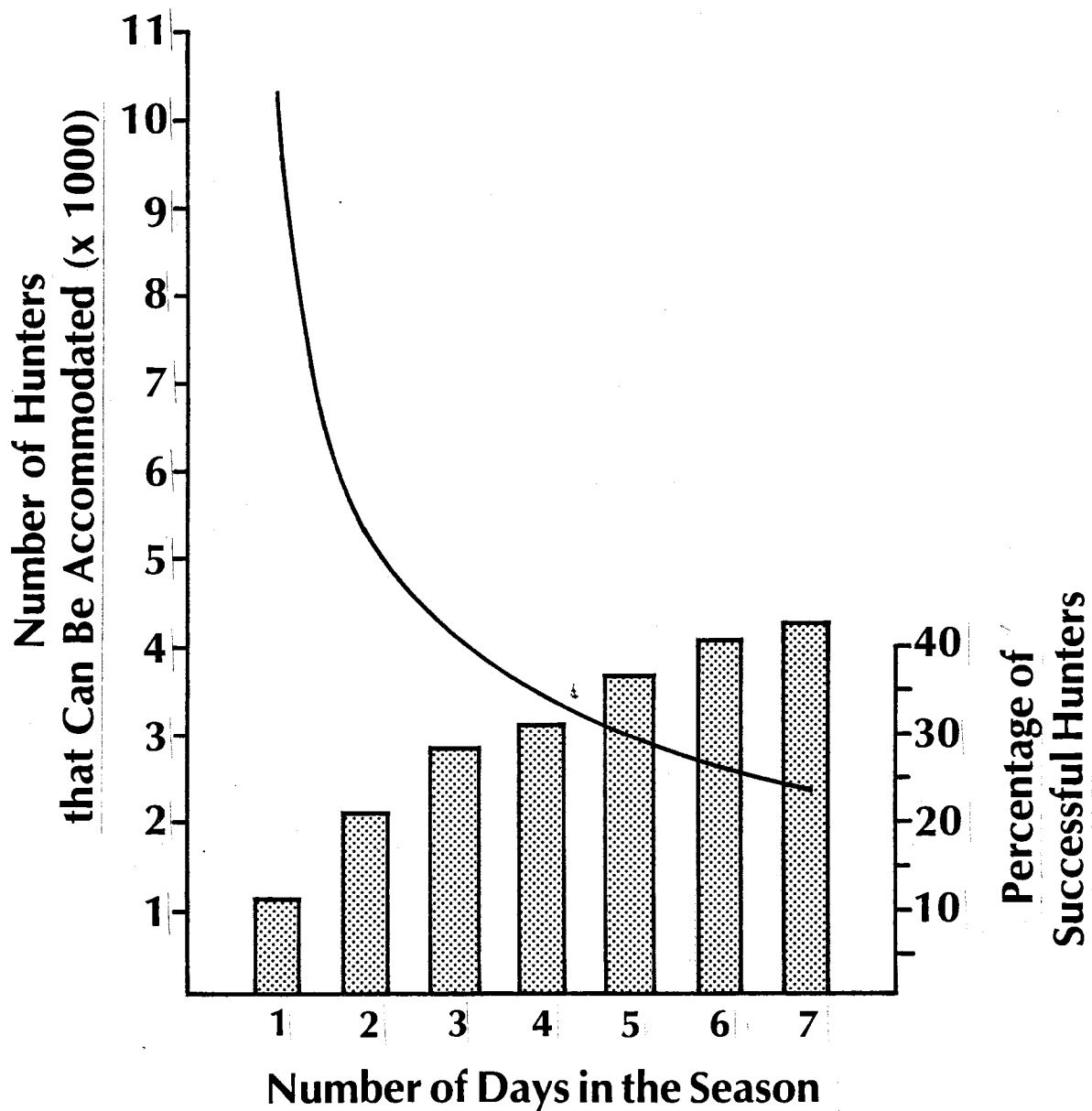


Fig. 15. Number of hunters that can be accommodated and percentage of these hunters projected to be successful during hunting seasons of different length. The bars represent percentage of hunters successful on each day. The solid line represents the number of hunters receiving "any deer" permits.



REGION 1

Jo Daviess and Carroll counties were not surveyed because the distribution of forest and the rugged topography provide deer with abundant winter shelter.

COUNTY: BOONE

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: BELVIDERE NW

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SE 1/4 SECT. 31, T46, R3E, MANCHESTER TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2123 (ACRES) 83% OF TOTAL 4 SQUARE MILES
PUBLIC: 435 (ACRES) 17% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: KINNIKINNICK STATE NATURE PRESERVE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	-----	-----	-----
NOT PASTURED	13.8	229.5	243.3
BOTTOMLAND FOREST:	;		
PASTURED	-----	-----	-----
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 0.0 IMPROVED PASTURE (ACRES): 322.1

CROPS (ACRES): 1963.2

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 10.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 49

UNIMPROVED ROADS: 2.0 MILES

LIGHT DUTY ROADS: 4.2 MILES

SECONDARY HIGHWAYS: 4.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-50

COMMENTS: DEER HABITAT PROTECTED BY NATURE PRESERVE. PRIVATE LANDS ARE BEING CONVERTED FROM AGRICULTURE TO HOUSING DEVELOPEMENTS.

COUNTY: BOONE

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: CHERRY VALLEY AND CALEDONIA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 19, T44N,R3E BELVIDERE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2404 (ACRES) 94% OF TOTAL 4 SQUARE MILES

PUBLIC: 154 (ACRES) 6% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: BOONE COUNTY CONSERVATION DISTRICT

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	-----	-----	-----
NOT PASTURED	2.0	211.9	213.9
BOTTOMLAND FOREST:			
PASTURED	-----	-----	-----
NOT PASTURED	5.4	171.2	176.6

SHRUB-OLDFIELD (ACRES): 0.0 IMPROVED PASTURE (ACRES): 36.1

CROPS (ACRES): 2097.5

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 6.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 31

UNIMPROVED ROADS: .2 MILES

LIGHT DUTY ROADS: 8.7 MILES

SECONDARY HIGHWAYS: 4.1 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: .6 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: DEER HABITAT PROTECTED BY PUBLIC OWNERSHIP. PRESENCE OF INTERSTATE HIGHWAY DANGER TO DEER. AREA WITHIN 1/2 MILE OF INDUSTRIAL PARK AND <5 MILES TO CITY OF ROCKFORD.

COUNTY: BOONE

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: BELVIDERE NORTH AND BELVIDERE SOUTH

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
S 1/2 SECT.33, T44N,R4E BONUS TWP.

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE:2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	-----	-----	-----
NOT PASTURED	767.9	1169.5	1937.5
BOTTOMLAND FOREST:			
PASTURED	-----	-----	-----
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
0.0			
CROPS (ACRES):	0.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 30.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA
NUMBER OF OCCUPIED DWELLINGS: 135
UNIMPROVED ROADS: .6 MILES
LIGHT DUTY ROADS: 15.1 MILES
SECONDARY HIGHWAYS: 0.0 MILES
PRIMARY HIGHWAYS: 4.0 MILES
INTERSTATE HIGHWAYS: 1.4 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: THIS AREA IS AT RISK, BEING WITHIN 3 MILES OF THE CITY OF BELVIDERE AND WITH NO PUBLIC OWNERSHIP. THE STATE PLANS TO SITE A NEW HIGHWAY IN THE CONCENTRATION AREA. THE FUTURE OF THIS AREA IS UNCERTAIN.

COUNTY: McHENRY

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: WOODSTOCK AND McHENRY

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 35, T45N, R7E GREENWOOD TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	213.2	357.2	570.3
NOT PASTURED	0.0	210.2	210.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	298.4	IMPROVED PASTURE (ACRES):	
34.3			
CROPS (ACRES):	1374.6		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 42.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 143

UNIMPROVED ROADS: 2.7 MILES

LIGHT DUTY ROADS: 4.2 MILES

SECONDARY HIGHWAYS: 5.0 MILES

PRIMARY HIGHWAYS: 1.1 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50 +

COMMENTS: HOUSING DEVELOPMENTS ARE ABUNDANT SURROUNDING THIS SITE. WITH NO PUBLIC OWNERSHIP, THE FUTURE PRESERVATION OF THIS HABITAT IS UNCERTAIN.

COUNTY: McHENRY

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: HARVARD

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
SE 1/2 SECT. 19, T46N,R6E ALDEN TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	295.2	295.2
NOT PASTURED	0.0	154.4	154.4
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	81.8	IMPROVED PASTURE (ACRES):	
16.5			
CROPS (ACRES):	1942.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 20.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA
NUMBER OF OCCUPIED DWELLINGS: 47
UNIMPROVED ROADS: 1.8 MILES
LIGHT DUTY ROADS: .8 MILES
SECONDARY HIGHWAYS: 1.9 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-50

COMMENTS: THIS AREA IS WITHIN 1 MILE OF THE CITY OF HARVARD AND IS VULNERABLE TO HABITAT DESTRUCTION. FUTURE UNCERTAIN.

COUNTY: McHENRY

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: MARENGO NORTH

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 13, T44N, R5E MARENGO TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2404 (ACRES) 94% OF TOTAL 4 SQUARE MILES

PUBLIC: 154 (ACRES) 6% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: McHENRY COUNTY CONSERVATION DISTRICT
NATURAL AREA

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	2.2	428.3	430.5
NOT PASTURED	0.0	176.9	176.9
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 71.1 IMPROVED PASTURE (ACRES):
17.0

CROPS (ACRES): 1800.9

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 26.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 83

UNIMPROVED ROADS: 2.7 MILES

LIGHT DUTY ROADS: 8.3 MILES

SECONDARY HIGHWAYS: 2.7 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 30-50

COMMENTS: CORE AREA PROTECTED BY NATURAL AREA. REMAINING
WOODLAND OWNED BY A BANK SO MAY BE SOLD FOR DEVELOPMENT.

COUNTY: McHENRY

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: MARENGO SOUTH

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
N 1/2 SECT. 7, T43, R6E CORAL TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2323 (ACRES) 91% OF TOTAL 4 SQUARE MILES
PUBLIC: 235 (ACRES) 9% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: McHENRY COUNTY CONSERVATION DISTRICT
NATURAL AREA

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	120.3	369.8	490.0
NOT PASTURED	0.0	128.7	128.7
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	45.2	IMPROVED PASTURE (ACRES):	
104.0			
CROPS (ACRES):	1788.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 25.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 53

UNIMPROVED ROADS: 1.2 MILES

LIGHT DUTY ROADS: 6.0 MILES

SECONDARY HIGHWAYS: .7 MILES

PRIMARY HIGHWAYS: 2.4 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: THE CORE OF THIS AREA IS PROTECTED BY THE NATURAL AREA. THE OUTLOOK FOR THE RETENTION OF DEER HABITAT IS GOOD.

COUNTY: McHENRY

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: FOX LAKE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SE 1/4 SECT. 17, T46N,R19E BURTON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE:1842 (ACRES) 72% OF TOTAL 4 SQUARE MILES

PUBLIC: 716 (ACRES) 28% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: CHAIN O' LAKES STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	125.7	125.7
NOT PASTURED	0.0	43.5	43.5
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
17.8			
CROPS (ACRES):	1092.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 6.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 18

UNIMPROVED ROADS: 1.9 MILES

LIGHT DUTY ROADS: 3.8 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN:50 +

COMMENTS: MOST HABITATS PROTECTED BY STATE PARK. ARCHERY DEER HUNTING IS ALLOWED BUT DEER HAVE MANY REFUGES. UPLAND AREAS NOT PROTECTED

COUNTY: OGLE

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: NONE. DIXON 15'

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NW 1/4 SECT. 28, T23N,R10E NASHUA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE.

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	1337.5	1337.5
NOT PASTURED	19.3	456.7	476.0
BOTTOMLAND FOREST:			
PASTURED	5.4	32.6	38.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	39.3	IMPROVED PASTURE (ACRES):	
0.0			
CROPS (ACRES):	49.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 73.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 11

UNIMPROVED ROADS: 3.7 MILES

LIGHT DUTY ROADS: 1.1 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 100 +

COMMENTS: THIS AREA IS CENTERED ON SINNISSIPPI FARMS, A PRIVATE ESTATE AND FARM. DEER ARE HUNTED BY PERMIT BUT ARE ABUNDANT. FUTURE OUTLOOK GOOD.

COUNTY: OGLE

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: NONE. DIXON 15'

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
SW 1/4 SECT. 18, T23N,R9E OREGON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE:1739 (ACRES) 68% OF TOTAL 4 SQUARE MILES
PUBLIC: 819 (ACRES) 32% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: CASTLE ROCK STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	85.5	61.3	146.7
NOT PASTURED	0.0	1445.9	1445.9
BOTTOMLAND FOREST:			
PASTURED	57.8	0.0	57.8
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	27.2	IMPROVED PASTURE (ACRES):	
166.0			
CROPS (ACRES):	709.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 65.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 16

UNIMPROVED ROADS: .9 MILES

LIGHT DUTY ROADS: 1.4 MILES

SECONDARY HIGHWAYS: 2.0 MILES

PRIMARY HIGHWAYS: .7 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 100 +

COMMENTS: CASTLE ROCK STATE PARK PROTECTS MUCH OF THE AREA.
PORTIONS OF THE PARK ARE HUNTED BUT SITES OF REFUGE EXIST.
OUTLOOK FAVORABLE FOR FUTURE RETENTION OF DEER HABITAT. ALSO
INCLUDES LARGE STATE NATURE PRESERVE.

COUNTY: OGLE

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: KISHWAUKEE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SE 1/4 SECT. 16, T23N,R11E BYRON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	493.0	493.0
NOT PASTURED	0.0	935.4	935.4

BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	87.7	87.7

SHRUB-OLDFIELD (ACRES): 14.6 IMPROVED PASTURE (ACRES): 44.5

CROPS (ACRES): 767.9

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 59.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 59

UNIMPROVED ROADS: 9.4 MILES

LIGHT DUTY ROADS: 7.8 MILES

SECONDARY HIGHWAYS: 1.2 MILES

PRIMARY HIGHWAYS: 4.2 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50 +

COMMENTS: CORE OF AREA A 300 ACRE GIRL SCOUT CAMP THAT SHOULD PROTECT DEER HABITAT FOR THE FORESEEABLE FUTURE. OUTLOOK GOOD FOR DEER USE OF AREA. WITHIN 3 MILES OF SEVERSON WINTERING AREA.

COUNTY: OGLE

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: DIXON 15'

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 9, T23N, R9E PINE CREEK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2174 (ACRES) 85% OF TOTAL 4 SQUARE MILES

PUBLIC: 384 (ACRES) 15% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: WHITE PINE STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	42.7	342.8	385.6
NOT PASTURED	39.8	333.9	373.7
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	14.3	IMPROVED PASTURE (ACRES):	
102.0			
CROPS (ACRES):	1601.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 30.2

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 16

UNIMPROVED ROADS: 2.9 MILES

LIGHT DUTY ROADS: 3.8 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: STATE PARK PROTECTS SOME HABITAT. PRIVATE LANDS
SUBJECT TO DEVELOPMENT. DEER HABITAT SHOULD REMAIN FOR THE
FORESEEABLE FUTURE.

COUNTY: STEPHENSON AREA: 1

7.5 TOPOGRAPHIC QUADRANGLE: LENA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
S 1/2 SECT. 17, T28N, R5E WEST POINT TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1995 (ACRES) 78% OF TOTAL 4 SQUARE MILES
PUBLIC: 563 (ACRES) 22% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: LAKE LE-AQUA-NA STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	21.2	21.2
NOT PASTURED	36.3	104.2	140.5
BOTTOMLAND FOREST:			
PASTURED	0.0	15.1	15.1
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	61.5	IMPROVED PASTURE (ACRES):	
96.1			
CROPS (ACRES):	2117		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 9.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA
NUMBER OF OCCUPIED DWELLINGS: 17
UNIMPROVED ROADS: 2.0 MILES
LIGHT DUTY ROADS: 6.9 MILES
SECONDARY HIGHWAYS: 2.2 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-50

COMMENTS: PARK PROTECTS HABITAT. NO DEER HUNTING. OUTLOOK GOOD.

COUNTY: STEPHENSON

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: DAKOTA, LENA, FREEPORT E&W

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NW 1/4 SECT. 36, T27N, R7E BUCKEYE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	8.2	8.2
NOT PASTURED	0.0	143.0	143.0
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
0.0			
CROPS (ACRES):	1748		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 5.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 252

UNIMPROVED ROADS: 8.8 MILES

LIGHT DUTY ROADS: 0.0 MILES

SECONDARY HIGHWAYS: 5.0 MILES

PRIMARY HIGHWAYS: 2.4 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE AND HUMAN USE IS HIGH. DEER WILL LIKELY
LOSE HABITAT. OUTLOOK POOR.

COUNTY: WINNEBAGO

AREA: 1

7.5 TOPOGRAPHIC QUADRANGLE: WINNEBAGO

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 35, T26N, R11E WINNEBAGO TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2200 (ACRES) 86% OF TOTAL 4 SQUARE MILES

PUBLIC: 358 (ACRES) 14% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: SEVERSON FOREST PRESERVE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	27.9	86.0	113.9
NOT PASTURED	45.0	547.6	592.6
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	45.2	IMPROVED PASTURE (ACRES):	
57.6			
CROPS (ACRES):	1748.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 29.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 40

UNIMPROVED ROADS: 1.3 MILES

LIGHT DUTY ROADS: 4.7 MILES

SECONDARY HIGHWAYS: 3.7 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 100+

COMMENTS: THIS AREA IS ONE OF THE OLDEST OCCUPPIED SITES BY DEER IN ILLINOIS. HABITAT PROTECTED BY COUNTY REFUGE. OUTLOOK GOOD.

COUNTY: WINNEBAGO

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: PECATONICA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SE 1/4 SECT. 10, T27, R10E PECATONICA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2174 (ACRES) 85% OF TOTAL 4 SQUARE MILES

PUBLIC: 384 (ACRES) 15% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: PECATONICA FOREST PRESERVE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	13.8	13.6	27.4
NOT PASTURED	33.8	15.3	49.2
BOTTOMLAND FOREST:			
PASTURED	0.0	41.7	41.7
NOT PASTURED	211.2	188.7	399.9
SHRUB-OLDFIELD (ACRES):	89.2	IMPROVED PASTURE (ACRES):	
58.0			
CROPS (ACRES):	1796.7		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 23.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 14

UNIMPROVED ROADS: 3.2 MILES

LIGHT DUTY ROADS: 3.3 MILES

SECONDARY HIGHWAYS: 11.8 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-50

COMMENTS: FOREST PRESERVE PROTECTS HABITAT. MOST FOREST BOTTOMS WITH UPLAND LIMITED. DURING FLOODS DEER MAY HAVE DIFFICULTY FINDING SANCTUARY. OUTLOOK GOOD.

COUNTY: WINNEBAGO

AREA: 3

7.5 TOPOGRAPHIC QUADRANGLE: ROCKFORD N, CALEDONIA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
W 1/2 SECT.27, T45N, R 2E HARLEM TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 153 (ACRES) 6% OF TOTAL 4 SQUARE
MILES

PUBLIC: 2405 (ACRES) 94% OF TOTAL 4 SQUARE
MILES

TYPE OF PUBLIC OWNERSHIP: ROCK CUT STATE PARK

	< 50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	33.3	39.8	73.1
NOT PASTURED	34.3	342.8	377.1
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLD FIELD: 865.5 IMPROVED PASTURE (ACRES): 114.4

CROPS (ACRES): 1547

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 51.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 19

UNIMPROVED ROADS: 1.4 MILES

LIGHT DUTY ROADS: 5.4 MILES

SECONDARY ROADS: 3.5 MILES

PRIMARY ROADS: 0.0 MILES

INTERSTATE ROADS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50 +

COMMENTS: AREA MOSTLY STATE PARK. OUTLOOK GOOD.

COUNTY: WINNEBAGO

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: SHIRLAND

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NW 1/4 SECT. 4, T28, R11E SHIRLAND TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2302 (ACRES) 90% OF TOTAL 4 SQUARE MILES
PUBLIC: 256 (ACRES) 10% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: SUGAR RIVER FOREST PRESERVE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	2.5	7.4	9.9
NOT PASTURED	17.0	229.5	246.5
BOTTOMLAND FOREST:			
PASTURED	16.5	18.8	35.3
NOT PASTURED	24.5	302.3	326.8
SHRUB-OLDFIELD (ACRES):	77.3	IMPROVED PASTURE (ACRES):	
81.8			
CROPS (ACRES):	1721.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 27.2

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 21

UNIMPROVED ROADS: 1.4 MILES

LIGHT DUTY ROADS: 5.3 MILES

SECONDARY HIGHWAYS: 7.1 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-30

COMMENTS: FOREST PRESERVE PROTECTS HABITAT. CLOSED TO DEER
HUNTING. OUTLOOK GOOD.

COUNTY: WINNEBAGO

AREA: 5

1:5 TOPOGRAPHIC QUADRANGLE: WINNEBAGO

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 8, T44N, R1E ROCKFORD TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2123 (ACRES) 83% OF TOTAL 4 SQUARE
MILES

PUBLIC: 435 (ACRES) 17% OF TOTAL 4 SQUARE
MILES

TYPE OF PUBLIC OWNERSHIP: ROCKFORD CITY PARKS

	< 50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	100.8	61.0	161.8
NOT PASTURED	37.8	123.5	161.3

BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLD FIELD: 67.2 IMPROVED PASTURE (ACRES): 94.3

CROPS (ACRES): 2067

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 15.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 83

UNIMPROVED ROADS: 2.3 MILES

LIGHT DUTY ROADS: 4.7 MILES

SECONDARY ROADS: 5.6 MILES

PRIMARY ROADS: 1.3 MILES

INTERSTATE ROADS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50+

COMMENTS: CITY PARKS. CLOSED TO HUNTING UNTIL 1986. DEER HAVE
REACHED NUISANCE LEVELS AND WILL BE HUNTED IN THE FUTURE.
HABITAT PROTECTED. OUTLOOK GOOD.

COUNTY: WHITESIDE

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: MORRISON 15'

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SE 1/2 SECT.31, T21N, R4E CLYDE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE:1637 (ACRES) 64% OF TOTAL 4 SQUARE MILES

PUBLIC: 921 (ACRES) 36% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: MORRISON-ROCKWOOD STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	111.6	243.3	354.9
NOT PASTURED	41.2	299.6	340.9
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 174.6 IMPROVED PASTURE (ACRES): 152.4

CROPS (ACRES): 1470.6

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 34.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 8

UNIMPROVED ROADS: 2.4 MILES

LIGHT DUTY ROADS: .5 MILES

SECONDARY HIGHWAYS: 2.2 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 100 +

COMMENTS: STATE PARK PROTECTS DEER HABITAT AND PARK IS CLOSED TO HUNTING. FUTURE OUTLOOK IS GOOD.

COUNTY: WHITESIDE

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: ERIE AND PROPHETSTOWN

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 11, T19N, R4E PORTLAND TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1509 (ACRES) 59% OF TOTAL 4 SQUARE MILES

PUBLIC: 1049 (ACRES) 41% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: BIG BEND CONSERVATION AREA

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	97.6	5.9	103.5
NOT PASTURED	210.0	158.1	368.0

BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	144.0	250.2	394.2

SHRUB-OLDFIELD (ACRES): 28.9 IMPROVED PASTURE (ACRES): 1.7

CROPS (ACRES): 1662

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 34.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 35

UNIMPROVED ROADS: 8.2 MILES

LIGHT DUTY ROADS: 7.2 MILES

SECONDARY HIGHWAYS: 1.4 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50 +

COMMENTS: MOST OF AREA PROTECTED BY THE CONSERVATION AREA. THE CONSERVATION AREA IS OPEN FOR ARCHERY HUNTING ONLY SO DEER ARE NOT HARASSED BY HUNTERS.

COUNTY: WHITESIDE 0 AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: ERIE NW

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
E 1/2 SECT.17, T20N,R3E NEWTON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE:2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	72.4	305.8	378.2
NOT PASTURED	7.4	125.2	132.6
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
41.7			
CROPS (ACRES):	2005.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 20.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 17

UNIMPROVED ROADS: 2.1 MILES

LIGHT DUTY ROADS: 6.8 MILES

SECONDARY HIGHWAYS: 1.4 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25 +

COMMENTS: NO PROTECTION FOR HABITAT. HOWEVER THERE ARE NO
OBVIOUS THREATS-- NO DEVELOPMENT PRESSURES AT PRESENT.
RELATIVELY FEW LANDOWNERS SO SCATTERED WOODLOTS ARE VULNERABLE
TO DESTRUCTION IF ONLY A FEW LANDOWNERS SELL OUT. FUTURE
THREATENED.

COUNTY: WHITESIDE

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: NONE. CLINTON 15'

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
SW 1/4 SECT. 4, T22N, R4E USTICK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	270.5	256.6	527.1
NOT PASTURED	7.7	131.4	139.1
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 0.0 IMPROVED PASTURE (ACRES):
333.7
CROPS (ACRES): 1554.9

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 26.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 23

UNIMPROVED ROADS: 1.4 MILES

LIGHT DUTY ROADS: 5.2 MILES

SECONDARY HIGHWAYS: 2.4 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25 +

COMMENTS: ROUGH TOPOGRAPHY ALONG BLUFFS LIMITS AGRICULTURAL
ACTIVITIES. ALL PRIVATELY OWNED SO IS LAND USE CHANGES MAY BE
EXPECTED. FUTURE UNCERTAIN.

COUNTY: WHITESIDE

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: ERIE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
W 1/2 SECT. 18, T20, R4E NEWTON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	178.8	546.1	724.9
NOT PASTURED	0.0	187.2	187.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
133.6			
CROPS (ACRES):	1512		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 35.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 26

UNIMPROVED ROADS: 2.2 MILES

LIGHT DUTY ROADS: 4.7 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25 +

COMMENTS: ALL PRIVATE OWNERSHIP MEANS LAND USE MAY CHANGE.
FORESTS ARE IN LARGE PARCELS AND HUMAN POPULATIONS ARE WELL
SCATTERED SO AREA SHOULD RETAIN DEER HABITAT FOR THE FORESEEABLE
FUTURE.

REGION 2

The urban counties of Cook, Kane, DuPage and Lake were not surveyed because the Urban Deer Project is surveying these counties.

COUNTY: BUREAU

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: PRINCETON NORTH

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 32, T17N, R9E DOVER TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2478 (ACRES) 97% OF TOTAL 4 SQUARE MILES
PUBLIC: 80 (ACRES) 3% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: COUNTY PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	82.3	82.3
NOT PASTURED	0.0	82.7	82.7
BOTTOMLAND FOREST:			
PASTURED	0.0	6.4	6.4
NOT PASTURED	101.8	131.2	232.9
SHRUB-OLDFIELD (ACRES):	8.9	IMPROVED PASTURE (ACRES):	
209.7			
CROPS (ACRES):	1923.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 16.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 49

UNIMPROVED ROADS: 3.3 MILES

LIGHT DUTY ROADS: 6.0 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 2.5 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: FOREST COVER SCATTERED AND COUNTY PARK TOO SMALL TO PROTECT DEER. OUTLOOK UNCERTAIN.

COUNTY: BUREAU

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: PRINCETON NORTH

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SW 1/4 SECT. 14, T17N, R9E DOVER TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	12.1	62.0	74.1
NOT PASTURED	38.5	124.7	163.3
BOTTOMLAND FOREST:			
PASTURED	0.0	46.2	46.2
NOT PASTURED	4.2	127.0	131.2
SHRUB-OLDFIELD (ACRES):	86.0	IMPROVED PASTURE (ACRES):	
74.6			
CROPS (ACRES):	1831.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 19.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 38

UNIMPROVED ROADS: 1.3 MILES

LIGHT DUTY ROADS: 10.7 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: SCATTERED WOODLOTS, ALL PRIVATELY OWNED. OUTLOOK UNCERTAIN.

COUNTY: BUREAU

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: PRINCETON SOUTH AND DEPUE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
N 1/2 SECT.20, T15N, R10E LEEPERTOWN TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	13.3	13.3
NOT PASTURED	18.0	52.6	70.6
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	65.5	1639.8	1705.3
SHRUB-OLDFIELD (ACRES):	9.6	IMPROVED PASTURE (ACRES):	
140.8			
CROPS (ACRES):	422.1		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 70.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 2
UNIMPROVED ROADS: 4.2 MILES
LIGHT DUTY ROADS: 1.9 MILES
SECONDARY HIGHWAYS: 0.0 MILES
PRIMARY HIGHWAYS: 4.8 MILES
INTERSTATE HIGHWAYS: 2.9 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50 +

COMMENTS: LARGE FOREST AREA MOSTLY BOTTOMLAND SUBJECT TO PERIODIC FLOODING. PRESENCE OF PRIMARY HIGHWAY MEANS HIGHWAY MORTALITY WILL BE HIGH. OUTLOOK GOOD FOR RETENTION OF DEER HABITAT.

*can serve as refuge in hunting season
if dry - must vacate if wet. appears only lightly
limited*

COUNTY: BUREAU

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: PRINCETON SOUTH

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NW 1/4 SECT. 20, T15N, R9E, ARISPIE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	9.1	320.9	330.0
NOT PASTURED	65.5	502.9	568.3
BOTTOMLAND FOREST:			
PASTURED	12.1	0.0	12.1
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	41.5	IMPROVED PASTURE (ACRES):	
55.6			
CROPS (ACRES):	1549.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 37.2

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 29

UNIMPROVED ROADS: 3.5 MILES

LIGHT DUTY ROADS: 1.2 MILES

SECONDARY HIGHWAYS: 5.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-50

COMMENTS: ALL PRIVATELY OWNED. NEARLY 900 ACRES IN FOREST MEANS THAT SMALL LOSSES OF FOREST DUE TO HOUSING DEVELOPMENTS SHOULD NOT ADVERSLY AFFECT DEER

COUNTY: BUREAU

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: DEPUE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 29, T16N, R10E SELBY TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	23.0	143.0	166.0
NOT PASTURED	189.2	585.1	774.3
BOTTOMLAND FOREST:	;		
PASTURED	0.0	0.0	0.0
NOT PASTURED	32.4	139.8	172.2

SHRUB-OLDFIELD (ACRES): 76.3 IMPROVED PASTURE (ACRES): 48.4

CROPS (ACRES): 1302.7

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 46.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 43

UNIMPROVED ROADS: 3.8 MILES

LIGHT DUTY ROADS: 5.6 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 1.6 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25 +

COMMENTS: HUMANS CONCENTRATED IN SMALL AREAS WITH FOREST QUITE EXTENSIVE. OUTLOOK UNCERTAIN.

COUNTY: BUREAU

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: NEPONSET

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NE 1/4 SECT. 31, T16N, R6E MINERAL TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	61.3	178.8	240.1
NOT PASTURED	95.3	404.8	500.2
BOTTOMLAND FOREST:	;		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	4.4	IMPROVED PASTURE (ACRES):	
255.6			
CROPS (ACRES):	1179.7		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 29.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA
NUMBER OF OCCUPIED DWELLINGS: 11
UNIMPROVED ROADS: 7.0 MILES
LIGHT DUTY ROADS: 1.9 MILES
SECONDARY HIGHWAYS: 0.0 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-50

COMMENTS: PARTIALLY STRIP MINED. HUMAN USE LIGHT. WITHIN 1 MILE
OF JOHNSON-SAUK STATE PARK. OUTLOOK GOOD.

COUNTY: DEKALB

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: SHABBONA GROVE AND WATERMAN

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

E 1/2 SECT. 26, T38N, R3E SHABBONA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2481 (ACRES) 97% OF TOTAL 4 SQUARE MILES

PUBLIC: 77 (ACRES) 3% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: SHABBONA LAKE STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	55.1	21.2	76.3
NOT PASTURED	47.7	196.1	243.8
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 615.8 IMPROVED PASTURE (ACRES): 14.8

CROPS (ACRES): 1217.5

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 36.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 25

UNIMPROVED ROADS: 2.7 MILES

LIGHT DUTY ROADS: 7.9 MILES

SECONDARY HIGHWAYS: 2.5 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-50 +

COMMENTS: THIS AREA IS IMPROVING AS DEER HABITAT. MUCH OF THE STATE PARK IS NOW SHRUB-OLD FIELD WHICH WILL IMPROVE AS DEER COVER IN FUTURE YEARS IF NOT DESTROYED BY PARK DEVELOPMENT. ARCHERY HUNTING ONLY. OUTLOOK GOOD.

COUNTY: DEKALB

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: GENDA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
W 1/2 SECT. 25, T42N, R4E KINGSTON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2430 (ACRES) 95% OF TOTAL 4 SQUARE MILES
PUBLIC: 128 (ACRES) 5% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: COUNTY FOREST PRESERVE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	30.9	30.9
NOT PASTURED	7.4	78.5	86.0
BOTTOMLAND FOREST:	?		
PASTURED	22.0	39.0	61.0
NOT PASTURED	18.8	73.9	92.6
SHRUB-OLDFIELD (ACRES):	88.2	IMPROVED PASTURE (ACRES):	
204.3			
CROPS (ACRES):	1938.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 14.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 33

UNIMPROVED ROADS: 1.8 MILES

LIGHT DUTY ROADS: 6.1 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-50 +

COMMENTS: RUSSELL FOREST PRESERVE PROTECTS MOST OF THE FOREST
COVER. OUTLOOK GOOD

COUNTY: DEKALB

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: FAIRDALE AND KIRKLAND

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 22, T42N, R3E, FRANKLIN TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2507 (ACRES) 98% OF TOTAL 4 SQUARE MILES

PUBLIC: 51 (ACRES) 2% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: COUNTY FOREST PRESERVE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	42.7	75.3	118.1
NOT PASTURED	37.5	162.5	200.1
BOTTOMLAND FOREST:			
PASTURED	0.0	23.7	23.7
NOT PASTURED	4.2	199.3	203.5
SHRUB-OLDFIELD (ACRES):	12.6	IMPROVED PASTURE (ACRES):	
89.9			
CROPS (ACRES):	1891.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 21.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 33

UNIMPROVED ROADS: 2.5 MILES

LIGHT DUTY ROADS: 4.0 MILES

SECONDARY HIGHWAYS: 2.8 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25 +

COMMENTS: BEST FOREST COVER PROTECTED BY SCOUT CAMPS AND SMALL FOREST PRESERVE. OUTLOOK GOOD.

COUNTY: DEKALB

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: KIRKLAND

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 21, T42N, R3E KINGSTON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	16.1	130.2	146.2
NOT PASTURED	43.2	146.0	189.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	14.6	14.6
SHRUB-OLDFIELD (ACRES):	11.9	IMPROVED PASTURE (ACRES):	
36.8			
CROPS (ACRES):	2142.7		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 14.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 14

UNIMPROVED ROADS: .8 MILES

LIGHT DUTY ROADS: 5.4 MILES

SECONDARY HIGHWAYS: 4.8 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20 +

COMMENTS: ALL PRIVATELY OWNED MEANS NO PROTECTION FOR DEER
HABITAT. OUTLOOK UNCERTAIN

COUNTY: DEKALE

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: SOMONAUK

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NE 1/4 T38N, R5E SQUAW GROVE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	66.4	66.4
NOT PASTURED	0.0	81.5	81.5
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	52.9	IMPROVED PASTURE (ACRES):	
111.9			
CROPS (ACRES):	2178.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 7.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 19

UNIMPROVED ROADS: .6 MILES

LIGHT DUTY ROADS: 6.6 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: ALL PRIVATELY OWNED. FOREST CONCENTRATED IN ONLY A FEW WOODLOTS SO DEER HABITAT VULNERABLE TO DEVELOPMENT. OUTLOOK UNCERTAIN.

COUNTY: DEKALB

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: SOMONAUK

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
W 1/2 SECT. 14, T37N, R5E SANDWICH TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	19.5	155.9	175.4
NOT PASTURED	10.1	36.8	46.9
BOTTOMLAND FOREST:			
PASTURED	0.0	38.3	38.3
NOT PASTURED	70.4	0.0	70.4
SHRUB-OLDFIELD (ACRES):	2.2	IMPROVED PASTURE (ACRES):	
69.9			
CROPS (ACRES):	1808.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 13.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 34

UNIMPROVED ROADS: 1.6 MILES

LIGHT DUTY ROADS: 6.6 MILES

SECONDARY HIGHWAYS: 2.5 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20 - 30

COMMENTS: ALL PRIVATE LANDS. WITHIN 1 MILE OF CITY OF SANDWICH.
OUTLOOK UNCERTAIN.

COUNTY: DEKALB

AREA: 7

7.5' TOPOGRAPHIC QUADRANGLE: SHABBONA GROVE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SE 1/4 SECT. 10, T37N, R3E PAW PAW TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	5.7	11.6	17.3
NOT PASTURED	0.0	370.3	370.3
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 0.0 IMPROVED PASTURE (ACRES): 111.6

CROPS (ACRES): 2058.0

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 15.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 18

UNIMPROVED ROADS: 1.4 MILES

LIGHT DUTY ROADS: 2.0 MILES

SECONDARY HIGHWAYS: 3.7 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20 +

COMMENTS: ALL PRIVATELY OWNED. OUTLOOK UNCERTAIN.

COUNTY: FORD

AREA: 1

7.5 TOPOGRAPHIC QUADRANGLE: PERDUEVILLE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SE 1/4 SECT. 10, T23N, R9E PATTON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	7.7	7.7
NOT PASTURED	82.7	55.6	138.3
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	46.2	IMPROVED PASTURE (ACRES):	
51.9			
CROPS (ACRES):	2314		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 7.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 16

UNIMPROVED ROADS: .2 MILES

LIGHT DUTY ROADS: 2.7 MILES

SECONDARY HIGHWAYS: 2.0 MILES

PRIMARY HIGHWAYS: 2.1 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: SOME REFUGE. LIMITED FOREST. OUTLOOK UNCERTAIN.

COUNTY: FORD

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: PIPER CITY

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
SE 1/4 SECT. 31, T26N, R9E BRENTON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	19.8	4.0	23.7
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
70.6			
CROPS (ACRES):	2464		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: .9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA
NUMBER OF OCCUPIED DWELLINGS: 9
UNIMPROVED ROADS: .7 MILES
LIGHT DUTY ROADS: 10.1 MILES
SECONDARY HIGHWAYS: 0.0 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: VERY LIMITED FOREST. NEW LANDOWNER W 1/2. SOME AGRIC.
CLEARING. OUTLOOK UNCERTAIN.

COUNTY: GRUNDY

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: COAL CITY AND MINOOKA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
E 1/2 SECT. 4, T33N, R8E, GOOSE LAKE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 0 (ACRES) OF TOTAL 4 SQUARE MILES
PUBLIC: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: GOOSE LAKE PRAIRIE STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
--	--------------------------	--------------------------	------------------

UPLAND FOREST:

PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

BOTTOMLAND FOREST:

PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 2179.5 IMPROVED PASTURE (ACRES):
0.0

CROPS (ACRES): 0.0

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 85.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 4

UNIMPROVED ROADS: .7 MILES

LIGHT DUTY ROADS: .6 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 100 +

COMMENTS: ALL PUBLIC OWNERSHIP. REFUGE FROM HUNTING. OUTLOOK
GOOD.

COUNTY: GRUNDY

AREA: 2

7.5 TOPOGRAPHIC QUADRANGLE: COAL CITY

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 19, T33N, R8E WAUPONSEE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2277 (ACRES) 89% OF TOTAL 4 SQUARE MILES

PUBLIC: 281 (ACRES) 11% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: Boy Scout Camp

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	132.4	132.4
NOT PASTURED	0.0	246.3	246.3
BOTTOMLAND FOREST:			
PASTURED	0.0	23.0	23.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 0.0 IMPROVED PASTURE (ACRES): 0.0

CROPS (ACRES): 2031.8

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 15.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 38

UNIMPROVED ROADS: 5.3 MILES

LIGHT DUTY ROADS: 3.0 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25 +

COMMENTS: MOST OF FORESTS IN PUBLIC OWNERSHIP. OUTLOOK GOOD.

COUNTY: BRUNDY
AREA: 3
7.5' TOPOGRAPHIC QUADRANGLE: SENECA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
S 1/2 SECT. 29, T33N, R6E NORMAN TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	718.3	718.3
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	191.9	191.9
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
0.0			
CROPS (ACRES):	1334.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 35.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA
NUMBER OF OCCUPIED DWELLINGS: 71
UNIMPROVED ROADS: 3.7 MILES
LIGHT DUTY ROADS: 10.7 MILES
SECONDARY HIGHWAYS: 3.2 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50 +

COMMENTS: ALL PRIVATE. PRESENCE OF A CHEMICAL PLANT. FORESTS ON
BLUFF ALONG ILLINOIS RIVER. OUTLOOK UNCERTAIN.

COUNTY: GRUNDY

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: LISBON AND STAVANGER

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
SW 1/4 SECT. 24, T34N, R6E NETTIE CREEK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	127.5	127.5
NOT PASTURED	0.0	242.3	242.3
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
92.6			
CROPS (ACRES):	2096.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 14.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 15
UNIMPROVED ROADS: 3.3 MILES
LIGHT DUTY ROADS: 6.3 MILES
SECONDARY HIGHWAYS: 0.0 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: ALL PRIVATE. WITHIN 1 MILE OF I-80. OUTLOOK UNCERTAIN.

COUNTY: GRUNDY

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: MINOOKA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SE 1/4 SECT. 8, T34N, R9E AUX SABLE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	36.3	36.3
NOT PASTURED	0.0	126.0	126.0
BOTTOMLAND FOREST:			
PASTURED	0.0	19.5	19.5
NOT PASTURED	0.0	141.3	141.3

SHRUB-OLDFIELD (ACRES): 0.0 IMPROVED PASTURE (ACRES): 31.9

CROPS (ACRES): 2159.3

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 12.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 74

UNIMPROVED ROADS: 1.5 MILES

LIGHT DUTY ROADS: 11.0 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 2.7 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: LIMITED FOREST. CONTAINS I-80 SO HIGHWAY MORTALITY WILL BE HIGH.

OUTLOOK UNCERTAIN.

COUNTY: HENRY

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: NEKOMA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NE 1/4 SECT. 17, T14N, R3E WELER TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	38.5	582.9	621.5
NOT PASTURED	0.0	9.4	9.4
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	12.1	12.1
SHRUB-OLDFIELD (ACRES):	19.0	IMPROVED PASTURE (ACRES):	
228.0			
CROPS (ACRES):	1665.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 25.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 26

UNIMPROVED ROADS: 1.1 MILES

LIGHT DUTY ROADS: 5.8 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 2.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 5-10

COMMENTS: ALL PRIVATE. FOREST NEARLY ALL PASTURED. OUTLOOK POOR
AS FOREST VERY LIMITED.

COUNTY: HENRY

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: KEWANEE NORTH AND NEPONSET

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 2 , T15N, R5E ANNAWAN TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1253 (ACRES) 49% OF TOTAL 4 SQUARE MILES

PUBLIC: 1305 (ACRES) 51% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: JOHNSON SAUK STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	39.5	39.5
NOT PASTURED	367.5	62.2	429.8
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	123.3	IMPROVED PASTURE (ACRES):	
511.8			
CROPS (ACRES):	1330.6		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 23.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 13

UNIMPROVED ROADS: 1.7 MILES

LIGHT DUTY ROADS: 12.5 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50-100

COMMENTS: PARK PROTECTS HABITAT. ARCHERY HUNTING ONLY. OUTLOOK
GOOD FOR DEER HABITAT

COUNTY: HENRY

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: KEWANEE NORTH

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 24, T15N, R4E BURNS TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	35.1	232.7	267.7
NOT PASTURED	136.6	234.7	371.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	39.0	IMPROVED PASTURE (ACRES):	
19.3			
CROPS (ACRES):	1688.2		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 26.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 17

UNIMPROVED ROADS: 1.9 MILES

LIGHT DUTY ROADS: 0.0 MILES

SECONDARY HIGHWAYS: 3.5 MILES

PRIMARY HIGHWAYS: 4.6 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: ALL PRIVATE. FORESTS SCATTERED BUT FAIRLY EXTENSIVE.
OUTLOOK GOOD FOR DEER HABITAT RETENTION.

COUNTY: HENRY

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: GENESEO AND GREEN ROCK

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 3, T17N, R2E HANNA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	78.8	32.9	111.6
NOT PASTURED	10.9	207.5	218.3
BOTTOMLAND FOREST:			
PASTURED	22.5	79.8	102.3
NOT PASTURED	57.1	164.3	221.3
SHRUB-OLDFIELD (ACRES):	1.7	IMPROVED PASTURE (ACRES):	
58.0			
CROPS (ACRES):	1785.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 25.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 48

UNIMPROVED ROADS: .8 MILES

LIGHT DUTY ROADS: 1.1 MILES

SECONDARY HIGHWAYS: 8.2 MILES

PRIMARY HIGHWAYS: 2.7 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-25

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: HENRY

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: SPRING HILL

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NE 1/4 SECT. 28, T18N, R4E LORAIN TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	46.7	46.7
NOT PASTURED	62.5	100.5	163.0
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 7.2 IMPROVED PASTURE (ACRES): 68.9

CROPS (ACRES): 2273.1

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 8.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 10

UNIMPROVED ROADS: 30.1 MILES

LIGHT DUTY ROADS: 1.4 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 38.6 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. LIMITED FOREST AVAILABLE. OUTLOOK UNCERTAIN.

COUNTY: HENRY

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: HILLSDALE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
N 1/2 SECT. 19, T18N, R3E PHENIX TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	308.8	308.8
NOT PASTURED	22.0	337.6	359.6
BOTTOMLAND FOREST:			
PASTURED	40.0	232.7	272.7
NOT PASTURED	20.5	8.6	29.1

SHRUB-OLDFIELD (ACRES): 18.5 IMPROVED PASTURE (ACRES):
70.4
CROPS (ACRES): 1301.2

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 38.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 129
UNIMPROVED ROADS: 93.6 MILES
LIGHT DUTY ROADS: 1241.9 MILES
SECONDARY HIGHWAYS: 2486.3 MILES
PRIMARY HIGHWAYS: .6 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20+

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: IROQUOIS

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: DONOVAN AND LEESVILLE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
N 1/2 SECT. 24, T29N, R11W BEAVERVILLE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 716 (ACRES) 28% OF TOTAL 4 SQUARE MILES
PUBLIC: 1842 (ACRES) 72% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: IROQUOIS COUNTY STATE AREA

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	121.3	39.3	160.6
NOT PASTURED	45.9	440.2	486.1
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	1006.8	IMPROVED PASTURE (ACRES):	
45.4			
CROPS (ACRES):	860.1		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 64.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 6

UNIMPROVED ROADS: 5.8 MILES

LIGHT DUTY ROADS: 1.3 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50+

COMMENTS: HABITAT PROTECTED BY STATE AREA. AREA WITHIN 1 MILE
OF INDIANA WILLOW SLOUGH RESERVE. OUTLOOK GOOD.

COUNTY: IROQUOIS

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: BEAVERVILLE AND GILMAN 15'

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 20, T29N, R12W PAPINEAU TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	56.3	56.3
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	16.3	122.0	138.3
SHRUB-OLDFIELD (ACRES):	4.7	IMPROVED PASTURE (ACRES):	
21.5			
CROPS (ACRES):	2286.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 7.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 18

UNIMPROVED ROADS: .4 MILES

LIGHT DUTY ROADS: 3.4 MILES

SECONDARY HIGHWAYS: .3 MILES

PRIMARY HIGHWAYS: 2.1 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. LIMITED FOREST MUCH OF IT BOTTOM SUBJECT TO FLOODS. OUTLOOK UNCERTAIN

COUNTY: IROQUOIS

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: SHELDON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 19, T27N, R10W CONCORD TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	16.1	100.5	116.6
NOT PASTURED	2.0	272.9	274.9
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 10.6 IMPROVED PASTURE (ACRES): 61.5

CROPS (ACRES): 1583.5

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 15.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 15

UNIMPROVED ROADS: 1.7 MILES

LIGHT DUTY ROADS: 2.6 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. LIMITED FOREST. OUTLOOK UNCERTAIN.

COUNTY: IROQUOIS

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: MILFORD AND CISSNA PARK 15'

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 29, T26N, R12W BELMONT TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	10.1	10.1
NOT PASTURED	100.8	420.4	521.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	64.5	IMPROVED PASTURE (ACRES):	
15.3			
CROPS (ACRES):	1837.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 23.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 64

UNIMPROVED ROADS: 1.2 MILES

LIGHT DUTY ROADS: 8.4 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20+

COMMENTS: ALL PRIVATE. EXTENSIVE FORESTS. LESS THAN 1/4 MILE
FROM VILLAGE OF WOODLAND. OUTLOOK UNCERTAIN.

COUNTY: IROQUOIS

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: WELLINGTON AND CISSNA PARK 15'

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
N 1/2 SECT. 29, T25N, R12W MILFORD TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	12.1	10.1	22.2
NOT PASTURED	10.6	195.4	206.0
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	40.0	40.0
SHRUB-OLDFIELD (ACRES):	41.5	IMPROVED PASTURE (ACRES):	
19.0			
CROPS (ACRES):	2230.2		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 12.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 16

UNIMPROVED ROADS: 1.5 MILES

LIGHT DUTY ROADS: 5.1 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20+

COMMENTS: ALL PRIVATE. MOST FORESTS NOT PASTURED. AREA ISOLATED.
OUTLOOK UNCERTAIN.

COUNTY: IROQUOIS

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: GILMAN 15'

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
N 1/2 SECT. 34, T28N, R12W CHEBANSE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	2.7	42.5	45.2
NOT PASTURED	4.0	127.7	131.7
BOTTOMLAND FOREST:	;		
PASTURED	1.7	6.9	8.6
NOT PASTURED	0.0	8.2	8.2
SHRUB-OLDFIELD (ACRES):	26.2	IMPROVED PASTURE (ACRES):	
4.9			
CROPS (ACRES):	2221.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 8.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 13

UNIMPROVED ROADS: 2.9 MILES

LIGHT DUTY ROADS: 4.5 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: IROQUOIS

AREA: 7

7.5' TOPOGRAPHIC QUADRANGLE: GILMAN 15'

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
E 1/2 SECT. 9, T27N, R13W IROQUOIS TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	2.2	54.3	56.6
NOT PASTURED	1.0	132.1	133.1
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
14.6			
CROPS (ACRES):	2318.1		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 7.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA
NUMBER OF OCCUPIED DWELLINGS: 14
UNIMPROVED ROADS: 1.3 MILES
LIGHT DUTY ROADS: 6.6 MILES
SECONDARY HIGHWAYS: 0.0 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: IROQUOIS

AREA: 8

7.5' TOPOGRAPHIC QUADRANGLE: BUCKLEY 15'

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 8, T24N, R9E LODA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	105.5	105.5
NOT PASTURED	54.8	119.8	174.6
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	113.4	IMPROVED PASTURE (ACRES):	
54.6			
CROPS (ACRES):	2110.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 15.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 10

UNIMPROVED ROADS: .1 MILES

LIGHT DUTY ROADS: 3.2 MILES

SECONDARY HIGHWAYS: 2.4 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: IROQUOIS

AREA: 9

7.5' TOPOGRAPHIC QUADRANGLE: CISSNA PARK NW

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
N 1/2 SECT. 14, T26N, R14W ONARGA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	63.5	63.5
NOT PASTURED	18.5	117.1	135.6
BOTTOMLAND FOREST:	;		
PASTURED	0.0	0.0	0.0
NOT PASTURED	63.2	58.8	122.0
SHRUB-OLDFIELD (ACRES):	20.3	IMPROVED PASTURE (ACRES):	
64.2			
CROPS (ACRES):	2149.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 13.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 11

UNIMPROVED ROADS: 1.1 MILES

LIGHT DUTY ROADS: 2.3 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: ALL PRIVATE. FORESTS MOSTLY BOTTOMS. OUTLOOK
UNCERTAIN.

COUNTY: IROQUOIS

AREA: 10

7.5' TOPOGRAPHIC QUADRANGLE: CISSNA PARK NW

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 14, T26N, R14W ONARGA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	73.6	118.1	191.7
NOT PASTURED	0.0	130.4	130.4
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	47.7	47.7

SHRUB-OLDFIELD (ACRES): 125.7 IMPROVED PASTURE (ACRES): 32.4

CROPS (ACRES): 2001.2

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 19.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 10

UNIMPROVED ROADS: 1.0 MILES

LIGHT DUTY ROADS: 3.0 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: KANKAKEE

AREA: 1

7.5 TOPOGRAPHIC QUADRANGLE: BONFIELD

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
SE 1/4 SECT. 5, T31N, R10E SALINA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	19.5	19.5
NOT PASTURED	0.0	252.4	252.4
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	7.4	IMPROVED PASTURE (ACRES):	
12.6			
CROPS (ACRES):	2266.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 10.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 17

UNIMPROVED ROADS: 5.0 MILES

LIGHT DUTY ROADS: 4.2 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15+

COMMENTS: ALL PRIVATE. WITHIN 2 MILES OF KANKAKEE RIVER STATE
PARK. OUTLOOK UNCERTAIN.

COUNTY: KANKAKEE

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: BOURBONNAIS

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NW 1/4 SECT. 15, T31N, R11E BOURBONNAIS TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2430 (ACRES) 95% OF TOTAL 4 SQUARE MILES
PUBLIC: 128 (ACRES) 5% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: KANKAKEE RIVER STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	21.7	21.7
NOT PASTURED	0.0	190.9	190.9
BOTTOMLAND FOREST:			
PASTURED	0.0	4.2	4.2
NOT PASTURED	0.0	98.6	98.6
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
5.2			
CROPS (ACRES):	2082.7		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 12.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 40

UNIMPROVED ROADS: 1.7 MILES

LIGHT DUTY ROADS: 3.4 MILES

SECONDARY HIGHWAYS: 2.7 MILES

PRIMARY HIGHWAYS: 1.6 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: DEER MOVE UP AND DOWN RIVER FROM STATE PARK. MOST OF
AREA PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: KANKAKEE

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: BOURBONNAIS

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NW 1/4 SECT. 5, T31N, R11E LIMESTONE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2123 (ACRES) 83% OF TOTAL 4 SQUARE MILES
PUBLIC: 435 (ACRES) 17% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: KANKAKEE STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	20.7	55.8	76.6
NOT PASTURED	0.0	125.2	125.2
BOTTOMLAND FOREST:	?		
PASTURED	0.0	22.5	22.5
NOT PASTURED	0.0	145.5	145.5
SHRUB-OLDFIELD (ACRES):	113.4	IMPROVED PASTURE (ACRES):	
108.4			
CROPS (ACRES):	1826.1		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 18.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 68

UNIMPROVED ROADS: 1.7 MILES

LIGHT DUTY ROADS: 4.2 MILES

SECONDARY HIGHWAYS: 4.0 MILES

PRIMARY HIGHWAYS: 2.9 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-50

COMMENTS: PARK PROTECTS HABITAT. ARCHERY HUNTING ONLY IN PARK.
OUTLOOK GOOD.

COUNTY: KANKAKEE

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: ST. ANNE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 19, T30N, R14E PEMBROKE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	7.9	595.5	603.4
NOT PASTURED	0.0	152.2	152.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
23.0			
CROPS (ACRES):	1781.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 29.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 149

UNIMPROVED ROADS: 3.8 MILES

LIGHT DUTY ROADS: 6.6 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20+

COMMENTS: ALL PRIVATE. SAND SOILS MEANS FORESTS UNLIKELY TO BE
CLEARED FOR AGRICULTURE, BUT MOST FOREST NOW PASTURED. OUTLOOK
UNCERTAIN.

COUNTY: KANKAKEE

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: LEESVILLE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	178.6	178.6
NOT PASTURED	0.0	351.2	351.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
24.5			
CROPS (ACRES):	1069.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 20.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 55

UNIMPROVED ROADS: 4.2 MILES

LIGHT DUTY ROADS: 3.2 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: ALL PRIVATE. PART OF AREA IN INDIANA. HUMAN
DEVELOPMENT SPREADING FROM SOUTH. OUTLOOK UNCERTAIN.

COUNTY: KANKAKEE

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: KANKAKEE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NW 1/4 SECT. 33, T30N, R12E OTTO TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	13.8	13.8
NOT PASTURED	0.0	60.8	60.8
BOTTOMLAND FOREST:			
PASTURED	0.0	5.4	5.4
NOT PASTURED	0.0	111.9	111.9
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
36.1			
CROPS (ACRES):	2266.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 7.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 47

UNIMPROVED ROADS: 1.6 MILES

LIGHT DUTY ROADS: 9.1 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 5-10

COMMENTS: ALL PRIVATE . LIMITED FOREST, MUCH OF IT BOTTOMS WITH
LITTLE UPLAND FOR SANCTUARY. IN SOME YEARS HUNTERS WILL REMOVE
MOST DEER. OUTLOOK UNCERTAIN.

COUNTY: KANKAKEE AREA: 7

7.5' TOPOGRAPHIC QUADRANGLE: KANKAKEE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
SW 1/4 SECT. 13, T30N, R12E AROMA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	27.9	9.6	37.5
NOT PASTURED	0.0	86.5	86.5
BOTTOMLAND FOREST:			
PASTURED	0.0	5.4	5.4
NOT PASTURED	0.0	166.0	166.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
6.2			
CROPS (ACRES):	2015.8		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 11.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 206

UNIMPROVED ROADS: 3.8 MILES

LIGHT DUTY ROADS: 4.7 MILES

SECONDARY HIGHWAYS: 7.6 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 5-10

COMMENTS: ALL PRIVATE. HUMAN ENCROACHMENT HIGH. LIKELY TO LOSE
HABITAT. OUTLOOK POOR FOR CONTINUED DEER USE IN WINTER.

COUNTY: KENDALL

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: NEWARK

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SE 1/4 SECT. 19, T36N, R6E FOX TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	88.9	88.9
NOT PASTURED	13.8	51.6	65.5
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	92.9	92.9
SHRUB-OLDFIELD (ACRES):	12.4	IMPROVED PASTURE (ACRES):	
128.2			
CROPS (ACRES):	2069.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 10.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 98

UNIMPROVED ROADS: 4.3 MILES

LIGHT DUTY ROADS: 7.2 MILES

SECONDARY HIGHWAYS: 6.2 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. SCATTERED FOREST NOT ABUNDANT. OUTLOOK UNCERTAIN.

COUNTY: KENDALL

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: PLANO AND YORKVILLE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 14, T37N, R6E LITTLE ROCK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	17.3	60.3	77.6
NOT PASTURED	5.9	58.5	64.5
BOTTOMLAND FOREST:			
PASTURED	0.0	13.6	13.6
NOT PASTURED	0.0	124.7	124.7
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
39.3			
CROPS (ACRES):	2151.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 11.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 70

UNIMPROVED ROADS: 2.7 MILES

LIGHT DUTY ROADS: 12.3 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. WITHIN 1/2 MILE OF VILLAGE OF PLANO. MOST FOREST SUBJECT TO FLOODING. OUTLOOK UNCERTAIN.

COUNTY: KENDALL

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: PLANO

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NW 1/4 SECT. 16, T37N, R6E LITTLE ROCK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	237.6	237.6
NOT PASTURED	15.1	108.9	124.0
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
65.5			
CROPS (ACRES):	2132.1		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 14.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 69

UNIMPROVED ROADS: 1.2 MILES

LIGHT DUTY ROADS: 12.8 MILES

SECONDARY HIGHWAYS: 2.6 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. HUMAN DENSITY MODERATE. WITHIN 1/2 MILE OF PLANO. OUTLOOK UNCERTAIN.

COUNTY: KENDALL

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: PLANO

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 34, T37N, R6E LITTLE ROCK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2200 (ACRES) 86% OF TOTAL 4 SQUARE MILES

PUBLIC: 358 (ACRES) 14% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: SILVER SPRINGS STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	54.1	120.0	174.1
NOT PASTURED	10.1	153.4	163.5
BOTTOMLAND FOREST:			
PASTURED	0.0	17.3	17.3
NOT PASTURED	5.7	51.4	57.1
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
63.7			
CROPS (ACRES):	1666.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 16.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 146

UNIMPROVED ROADS: 2.5 MILES

LIGHT DUTY ROADS: 16.9 MILES

SECONDARY HIGHWAYS: 4.6 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: PARK PROTECTS DEER HABITAT. NO DEER HUNTING IN PARK.
OUTLOOK UNCERTAIN BECAUSE OF PRESSURE FOR DEVELOPMENT IN AND OUT
OF PARK.

COUNTY: LASALLE

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: SHERIDAN

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
SE 1/4 SECT. 17, T36N, R5E NORTHVILLE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	15.8	198.3	214.1
NOT PASTURED	11.1	131.9	143.0
BOTTOMLAND FOREST:			
PASTURED	16.5	35.6	52.1
NOT PASTURED	0.0	196.6	196.6
SHRUB-OLDFIELD (ACRES):	66.7	IMPROVED PASTURE (ACRES):	
148.0			
CROPS (ACRES):	1731.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 26.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 18

UNIMPROVED ROADS: 6.8 MILES

LIGHT DUTY ROADS: 6.3 MILES

SECONDARY HIGHWAYS: .6 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE LYING JUST SOUTH OF LAKE HOLIDAY, A DEVELOPMENT AREA. OUTLOOK UNCERTAIN BECAUSE DEVELOPMENT TO THE NORTH MAY SPREAD TO THE CONCENTRATION AREA.

COUNTY: LASALLE

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: LASALLE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
SW 1/4 SECT. 7, T33N, R2E WALTHAM TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	277.6	277.6
NOT PASTURED	0.0	47.7	47.7
BOTTOMLAND FOREST:			
PASTURED	0.0	39.8	39.8
NOT PASTURED	162.0	210.2	372.2
SHRUB-OLDFIELD (ACRES):	29.9	IMPROVED PASTURE (ACRES):	
26.4			
CROPS (ACRES):	1592.2		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 30.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS:	29
UNIMPROVED ROADS:	6.1 MILES
LIGHT DUTY ROADS:	3.5 MILES
SECONDARY HIGHWAYS:	1.4 MILES
PRIMARY HIGHWAYS:	3.3 MILES
INTERSTATE HIGHWAYS:	0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-50

COMMENTS: ALL PRIVATE. WITHIN 1 MILE OF CITIES OF LASALLE (W) AND UTICA (E). OUTLOOK UNCERTAIN.

COUNTY: LASALLE

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: MARSEILLES

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
S 1/2 SECT. 32, T33N, R5E BROOKFIELD TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 563 (ACRES) 22% OF TOTAL 4 SQUARE MILES
PUBLIC: 1995 (ACRES) 78% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: MARSEILLES CONSERV. AREA

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	187.7	187.7
NOT PASTURED	0.0	1058.4	1058.4
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	5.4	5.4
SHRUB-OLDFIELD (ACRES):	40.5	IMPROVED PASTURE (ACRES):	
233.9			
CROPS (ACRES):	1038.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 50.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA
NUMBER OF OCCUPIED DWELLINGS: 26
UNIMPROVED ROADS: 3.5 MILES
LIGHT DUTY ROADS: 2.2 MILES
SECONDARY HIGHWAYS: 2.1 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+ (40)

COMMENTS: PUBLIC AREA IS HUNTED BY GUN AND ARCHERS. EXTENSIVE
UPLAND FOREST. OUTLOOK GOOD.
Q

COUNTY: LASALLE

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: LASALLE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SW 1/4 SECT. 29, T33N, R2E DEER PARK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE:1509 (ACRES) 59% OF TOTAL 4 SQUARE MILES

PUBLIC: 1049 (ACRES) 41% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: MATTHIESSEN STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	13.3	13.3
NOT PASTURED	0.0	570.1	570.1
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	13.8	13.8
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
86.9			
CROPS (ACRES):	1695.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 23.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 124

UNIMPROVED ROADS: 4.0 MILES

LIGHT DUTY ROADS: 7.9 MILES

SECONDARY HIGHWAYS: 2.3 MILES

PRIMARY HIGHWAYS: 1.7 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 100+

COMMENTS: AREA IS CLOSE TO STARVED ROCK. DEER MOVE BETWEEN PARKS. NO HUNTING IN PARK. OUTLOOK GOOD.

COUNTY: LASALLE

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: LASALLE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NW 1/4 SECT. 20, T33N, R2E DEER PARK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1586(ACRES) 62% OF TOTAL 4 SQUARE MILES
PUBLIC: 972(ACRES) 38% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: STARVED ROCK STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	124.0	124.0
NOT PASTURED	0.0	256.9	256.9
BOTTOMLAND FOREST:			
PASTURED	0.0	33.6	33.6
NOT PASTURED	0.0	206.2	206.2
SHRUB-OLDFIELD (ACRES):	137.1	IMPROVED PASTURE (ACRES):	
50.1			
CROPS (ACRES):	1575.6		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 29.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 22

UNIMPROVED ROADS: 6.4 MILES

LIGHT DUTY ROADS: 2.5 MILES

SECONDARY HIGHWAYS: 1.3 MILES

PRIMARY HIGHWAYS: 4.3 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 100+

COMMENTS: PARK PROTECTS DEER HABITAT. NO HUNTING IN PARK.
OUTLOOK GOOD

COUNTY: LASALLE

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: LEONORE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
SE 1/4 SECT. 32, T32N, R3E BRUCE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	174.9	174.9
NOT PASTURED	124.7	241.8	366.5
BOTTOMLAND FOREST:			
PASTURED	0.0	23.0	23.0
NOT PASTURED	0.0	6.9	6.9
SHRUB-OLDFIELD (ACRES):	7.2	IMPROVED PASTURE (ACRES):	
55.6			
CROPS (ACRES):	1890.8		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 22.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 30

UNIMPROVED ROADS: 3.0 MILES

LIGHT DUTY ROADS: 4.9 MILES

SECONDARY HIGHWAYS: 2.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: ALL PRIVATE. MODERATE HUMAN DENSITY. OUTLOOK
UNCERTAIN.

COUNTY: LASALLE

AREA: 7

7.5' TOPOGRAPHIC QUADRANGLE: MARSEILLES AND SENECA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 34, T33N, R5E BROOKFIELD TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	18.3	87.2	105.5
NOT PASTURED	57.6	690.1	747.7
BOTTOMLAND FOREST:			
PASTURED	0.0	5.9	5.9
NOT PASTURED	0.0	17.0	17.0

SHRUB-OLDFIELD (ACRES): 24.5 IMPROVED PASTURE (ACRES):
159.6

CROPS (ACRES): 1506.0

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 35.2

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 23

UNIMPROVED ROADS: .4 MILES

LIGHT DUTY ROADS: 6.2 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50+

COMMENTS: ALL PRIVATE FOREST IN 2 LARGE PARCELS. OUTLOOK
UNCERTAIN.

COUNTY: LASALLE

AREA: 8

7.5' TOPOGRAPHIC QUADRANGLE: WEDRON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
W 1/2 SECT. 33, T35N, R4E SERENA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2404 (ACRES) 94% OF TOTAL 4 SQUARE MILES
PUBLIC: 154 (ACRES) 6% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: SCOUT CAMP

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	218.1	218.1
NOT PASTURED	15.6	390.3	405.8
BOTTOMLAND FOREST:			
PASTURED	0.0	13.8	13.8
NOT PASTURED	37.5	120.0	157.6
SHRUB-OLDFIELD (ACRES):	10.1	IMPROVED PASTURE (ACRES):	
61.3			
CROPS (ACRES):	1692.2		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 31.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA
NUMBER OF OCCUPIED DWELLINGS: 32
UNIMPROVED ROADS: 4.9 MILES
LIGHT DUTY ROADS: 7.4 MILES
SECONDARY HIGHWAYS: 2.0 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: SCOUT CAMP PROTECTS SOME HABITAT. OUTLOOK GOOD IF
SCOUT CAMP REMAINS AS AT PRESENT.

COUNTY: LASALLE

AREA: 9

7.5' TOPOGRAPHIC QUADRANGLE: TROY GROVE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NE 1/4 SECT. 34, T34N, R1E DIMMICK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	32.4	274.9	307.3
NOT PASTURED	10.6	216.1	226.7
BOTTOMLAND FOREST:			
PASTURED	0.0	11.4	11.4
NOT PASTURED	12.1	0.0	12.1
SHRUB-OLDFIELD (ACRES):	20.7	IMPROVED PASTURE (ACRES):	
218.6			
CROPS (ACRES):	1760.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 22.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA
NUMBER OF OCCUPIED DWELLINGS: 40
UNIMPROVED ROADS: 4.2 MILES
LIGHT DUTY ROADS: 3.8 MILES
SECONDARY HIGHWAYS: 0.0 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 3.5 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: PRESENCE OF I-80 MEANS HIGH MORTALITY. WITHIN 2 MILES
OF CITY OF LASALLE. OUTLOOK UNCERTAIN.

COUNTY: LASALLE

AREA: 10

7.5' TOPOGRAPHIC QUADRANGLE: SERENA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 20, T35N, R5E MISSION TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2251 (ACRES) 88% OF TOTAL 4 SQUARE MILES
PUBLIC: 307 (ACRES) 12% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: SCOUT CAMPS

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	366.3	366.3
NOT PASTURED	12.8	234.7	247.5
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	65.2	65.2

SHRUB-OLDFIELD (ACRES): 15.1 IMPROVED PASTURE (ACRES):
153.4

CROPS (ACRES): 1641.1

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 27.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 105

UNIMPROVED ROADS: 6.1 MILES

LIGHT DUTY ROADS: 3.9 MILES

SECONDARY HIGHWAYS: 3.3 MILES

PRIMARY HIGHWAYS: 2.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15- 20

COMMENTS: SCOUT CAMPS PROTECT DEER HABITAT IF THEY DO NOT
DEVELOP HABITAT. LIMITED FOREST ALONG FOX RIVER OUTLOOK
UNCERTAIN.

COUNTY: LEE

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: HARMON AND WALTON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 18, T19N, R9E EAST GROVE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 691 (ACRES) 27% OF TOTAL 4 SQUARE MILES

PUBLIC: 1867 (ACRES) 73% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: GREEN RIVER CONSER. AREA

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	10.4	10.4
NOT PASTURED	53.1	370.3	423.4
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	956.6	IMPROVED PASTURE (ACRES):	
0.0			
CROPS (ACRES):	938.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 54.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 8

UNIMPROVED ROADS: .2 MILES

LIGHT DUTY ROADS: 4.4 MILES

SECONDARY HIGHWAYS: 2.2 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50+

COMMENTS: PUBLIC LANDS PROTECT HABITAT. OUTLOOK GOOD.

COUNTY: LEE

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: POLO, GRAND DETOUR

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SW 1/4 SECT. 17, T22N, R9E DIXON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2046 (ACRES) 80% OF TOTAL 4 SQUARE MILES

PUBLIC: 512 (ACRES) 20% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: DIXON CITY PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	28.7	164.0	192.7
NOT PASTURED	10.4	343.6	354.0

BOTTOMLAND FOREST:

PASTURED	0.0	57.1	57.1
NOT PASTURED	4.0	71.6	75.6

SHRUB-OLDFIELD (ACRES): 19.5 IMPROVED PASTURE (ACRES): 168.9

CROPS (ACRES): 1540.5

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 27.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 133

UNIMPROVED ROADS: 3.2 MILES

LIGHT DUTY ROADS: 15.8 MILES

SECONDARY HIGHWAYS: 3.4 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50 +

COMMENTS: HIGH HUMAN DENSITY. DEER NEED CITY PARK. OUTLOOK GOOD IF PARK NOT DEVELOPED.

COUNTY: LEE

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: FRANKLIN GROVE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 34, T21N, R10E CHINA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2123 (ACRES) 83% OF TOTAL 4 SQUARE MILES

PUBLIC: 435 (ACRES) 17% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: STATE NATURE PRESERVE AND STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	106.7	155.1	261.8
NOT PASTURED	3.2	164.7	168.0
BOTTOMLAND FOREST:	?		
PASTURED	26.4	10.1	36.6
NOT PASTURED	0.0	21.2	21.2
SHRUB-OLDFIELD (ACRES):	72.9	IMPROVED PASTURE (ACRES):	
194.4			
CROPS (ACRES):	1790.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 21.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 28

UNIMPROVED ROADS: 4.0 MILES

LIGHT DUTY ROADS: 5.5 MILES

SECONDARY HIGHWAYS: 1.0 MILES

PRIMARY HIGHWAYS: 2.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: HABITAT PROTECTED BY NATURE PRESERVE AND PARK. OUTLOOK GOOD.

COUNTY: LEE

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: GRAND DETOUR

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
E 1/2 SECT. 15, T22N, R9E DIXON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	27.7	406.6	434.2
NOT PASTURED	39.5	137.6	177.1
BOTTOMLAND FOREST:			
PASTURED	16.3	59.3	75.6
NOT PASTURED	0.0	43.5	43.5
SHRUB-OLDFIELD (ACRES):	87.4	IMPROVED PASTURE (ACRES):	
146.2			
CROPS (ACRES):	1391.6		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 31.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 19

UNIMPROVED ROADS: 4.0 MILES

LIGHT DUTY ROADS: 5.4 MILES

SECONDARY HIGHWAYS: 4.5 MILES

PRIMARY HIGHWAYS: .9 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20 +

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: LEE

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: COMPTON AND SUBLETTE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NW 1/4 SECT. 3, T37N, R1E VIOLA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	45.9	166.0	211.9
NOT PASTURED	98.3	56.1	154.4
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	57.8	IMPROVED PASTURE (ACRES):	
183.3			
CROPS (ACRES):	1948.1		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 16.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 25

UNIMPROVED ROADS: 1.4 MILES

LIGHT DUTY ROADS: 7.5 MILES

SECONDARY HIGHWAYS: 2.4 MILES

PRIMARY HIGHWAYS: 1.4 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. FOREST SCATTERED. OUTLOOK UNCERTAIN.

Q

COUNTY: LEE

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: AMBOY

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NW 1/4 SECT. 36, T20N, R10E LEE CENTER TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	92.1	271.0	363.1
NOT PASTURED	44.0	210.4	254.4
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 36.3 IMPROVED PASTURE (ACRES):
213.2
CROPS (ACRES): 1616.6

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 25.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 35
UNIMPROVED ROADS: 2.8 MILES
LIGHT DUTY ROADS: 8.6 MILES
SECONDARY HIGHWAYS: 0.0 MILES
PRIMARY HIGHWAYS: 2.4 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20+

COMMENTS: ALL PRIVATE. WETLAND AREA. WITHIN 2 MILES OF CITY OF
AMBOY. OUTLOOK UNCERTAIN.

COUNTY: LEE

AREA: 7

7.5' TOPOGRAPHIC QUADRANGLE: AMBOY AND WALTON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 33, T20N, R10E MAY TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	42.5	406.1	448.6
NOT PASTURED	69.7	150.4	220.1
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	15.1	IMPROVED PASTURE (ACRES):	
185.7			
CROPS (ACRES):	1552.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 26.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 16

UNIMPROVED ROADS: 11.1 MILES

LIGHT DUTY ROADS: 2.0 MILES

SECONDARY HIGHWAYS: .9 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: ALL PRIVATE. PRIVATE CAMPGROUND IN MOST OF FOREST AREA. OUTLOOK UNCERTAIN.

COUNTY: LEE

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: AMBOY

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
E 1/2 SECT. 9, T19N, R10E MAY TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	64.0	64.0
NOT PASTURED	127.9	118.8	246.8
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	30.9	IMPROVED PASTURE (ACRES):	
243.3			
CROPS (ACRES):	1871.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 13.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 11

UNIMPROVED ROADS: 2.2 MILES

LIGHT DUTY ROADS: 4.7 MILES

SECONDARY HIGHWAYS: .2 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. FOREST AREA IN ONE BLOCK. WITHIN 1/2 MILE
OF EXTENSIVE CAMPING AREA. OUTLOOK UNCERTAIN.

COUNTY: LEE

AREA: 9

7.5' TOPOGRAPHIC QUADRANGLE: WALTON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NE 1/4 SECT. 3, T19N,R9E EAST GROVE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	334.2	334.2
NOT PASTURED	0.0	110.4	110.4
BOTTOMLAND FOREST:	;		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	54.8	54.8
SHRUB-OLDFIELD (ACRES):	6.2	IMPROVED PASTURE (ACRES):	
71.6			
CROPS (ACRES):	1980.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 19.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 21

UNIMPROVED ROADS: 2.6 MILES

LIGHT DUTY ROADS: 6.1 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 2.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: SCOUT AND CHURCH CAMPS PROTECT HABITAT IF THEY ARE NOT MORE INTENSIVELY USED IN THE FUTURE. ONLY 1 1/2 MILES FROM GREEN RIVER F&W AREA. OUTLOOK GOOD.

COUNTY: LIVINGSTON

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: BLACKSTONE AND PONTIAC NW

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 6, T29N,R5E ESMEN TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	233.2	233.2
NOT PASTURED	9.6	162.8	172.4
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
168.2			
CROPS (ACRES):	2153.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 15.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 17

UNIMPROVED ROADS: 2.4 MILES

LIGHT DUTY ROADS: 8.4 MILES

SECONDARY HIGHWAYS: .5 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. LIMITED FOREST. HUNTERS MAY KILL MOST OF THE DEER IN SOME YEARS. OUTLOOK UNCERTAIN.

COUNTY: LIVINGSTON

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: FORREST NORTH AND SE PONTIAC

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NE 1/4 SECT. 26, T27N, R6E AVOCA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	63.0	63.0
NOT PASTURED	0.0	22.7	22.7
BOTTOMLAND FOREST:	?		
PASTURED	0.0	14.1	14.1
NOT PASTURED	0.0	16.5	16.5

SHRUB-OLDFIELD (ACRES): 81.3 IMPROVED PASTURE (ACRES): 38.8

CROPS (ACRES): 2322.5

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 7.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 12

UNIMPROVED ROADS: 2.5 MILES

LIGHT DUTY ROADS: 6.4 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 5-10

COMMENTS: ALL PRIVATE. FORESTCOVER LIMITED. HUNTERS KILL ALL DEER IN SOME YEARS. OUTLOOK UNCERTAIN.

COUNTY: LIVINGSTON

AREA: 3

7.5 TOPOGRAPHIC QUADRANGLE: NORTHWEST PONTIAC

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 36, T29N, R4E AMITY TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	4.4	16.1	20.5
NOT PASTURED	0.0	252.7	252.7
BOTTOMLAND FOREST:			
PASTURED	0.0	21.5	21.5
NOT PASTURED	0.0	16.3	16.3
SHRUB-OLDFIELD (ACRES):	35.3	IMPROVED PASTURE	
(ACRES): 1276.0			
CROPS (ACRES): 853.9			

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 13.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 16

UNIMPROVED ROADS: 6.4 MILES

LIGHT DUTY ROADS: 2.8 MILES

SECONDARY HIGHWAYS: 4.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. LIMITED FOREST. OUTLOOK UNCERTAIN.

COUNTY: LIVINGSTON

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: SOUTHEAST PONTIAC

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 31, T28N, R6E PONTIAC TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	17.0	45.7	62.7
NOT PASTURED	6.4	13.6	20.0
BOTTOMLAND FOREST:			
PASTURED	7.2	0.0	7.2
NOT PASTURED	0.0	2.7	2.7
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
71.1			
CROPS (ACRES):	2271.7		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 3.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 16

UNIMPROVED ROADS: 1.1 MILES

LIGHT DUTY ROADS: 9.0 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 5-10

COMMENTS: ALL PRIVATE. LIMITED FOREST COVER. OUTLOOK UNCERTAIN.

COUNTY: LIVINGSTON

AREA: 5

7.5 TOPOGRAPHIC QUADRANGLE: STREATOR SOUTH

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 18, T30N, R4E NEWTOWN TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	26.7	55.1	81.8
NOT PASTURED	0.0	41.5	41.5
BOTTOMLAND FOREST:	;		
PASTURED	0.0	9.4	9.4
NOT PASTURED	0.0	49.6	49.6
SHRUB-OLDFIELD (ACRES):	5.9	IMPROVED PASTURE (ACRES):	
128.9			
CROPS (ACRES):	2080.2		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 7.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 147

UNIMPROVED ROADS: 3.8 MILES

LIGHT DUTY ROADS: 8.1 MILES

SECONDARY HIGHWAYS: 2.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 5+

COMMENTS: ALL PRIVATE. HIGH HUMAN DENSITY AND WITHIN 1 MILE OF CITY OF STREATOR FOREST SO LIMITED THAT AREA WILL NOT SUPPORT DEER MUCH LONGER.

COUNTY: LIVINGSTON

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: STREATOR SOUTH AND FLANIGAN NORTH

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 2, T29N, R3E LONG POINT TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	24.7	219.3	244.0
NOT PASTURED	4.7	40.0	44.7
BOTTOMLAND FOREST:	;		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
57.3			
CROPS (ACRES):	2212.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 11.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 19

UNIMPROVED ROADS: .9 MILES

LIGHT DUTY ROADS: 8.2 MILES

SECONDARY HIGHWAYS: 3.2 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. MOST FOREST PASTURED. OUTLOOK UNCERTAIN.

COUNTY: LIVINGSTON

AREA: 7

7.5' TOPOGRAPHIC QUADRANGLE: COLFAX 15'

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
S 1/2 SECT. 32, T25N, R5E INDIAN GROVE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	108.4	243.0	351.5
NOT PASTURED	0.0	57.3	57.3
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	63.2	IMPROVED PASTURE (ACRES):	
78.3			
CROPS (ACRES):	2005.1		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 18.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS:	18
UNIMPROVED ROADS:	1.2 MILES
LIGHT DUTY ROADS:	14.9 MILES
SECONDARY HIGHWAYS:	0.0 MILES
PRIMARY HIGHWAYS:	0.0 MILES
INTERSTATE HIGHWAYS:	0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 5-10

COMMENTS: ALL PRIVATE. FORESTS PASTURED. OUTLOOK UNCERTAIN.

COUNTY: LIVINGSTON

AREA: 8

7.5' TOPOGRAPHIC QUADRANGLE: SIBLEY 15'

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SW 1/4 SECT. 21, T25N, R7E CHATSWORTH TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	71.4	59.8	131.2
NOT PASTURED	2.0	25.4	27.4
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 34.8 IMPROVED PASTURE (ACRES): 65.0

CROPS (ACRES): 2300.6

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 7.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 24

UNIMPROVED ROADS: .4 MILES

LIGHT DUTY ROADS: 0.0 MILES

SECONDARY HIGHWAYS: 9.2 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. FOREST MOSTLY PASTURED. OUTLOOK UNCERTAIN.

COUNTY: KNOX

AREA: 1

7.5 TOPOGRAPHIC QUADRANGLE: WILLIAMSFIELD

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 32, T12N, R4E VICTORIA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE
MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE
MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	< 50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	12.6	36.6	49.2
NOT PASTURED	254.7	807.7	1062.3

BOTTOMLAND FOREST:

PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLD FIELD: 62.7 IMPROVED PASTURE(ACRES): 1.0

CROPS (ACRES): 1002.1

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 45.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 34

UNIMPROVED ROADS: 5.2 MILES

LIGHT DUTY ROADS: .5 MILE

SECONDARY ROADS: 1.7 MILES

PRIMARY ROADS: 0.0 MILES

INTERSTATE ROADS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: EXTENSIVELY STRIP MINED. LIKELY TO REMAIN ACCESSABLE
TO DEER. OWNERSHIP BY COAL COMPANY AND KNOX COLLEGE SO MAY BE
DEVELOPED. OUTLOOK UNCERTAIN.

COUNTY: KNOX

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: WILLIAMSFIELD

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NW 1/4 SECT. 18, T11N, R4E TRURO TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	18.3	73.9	92.1
NOT PASTURED	70.1	739.8	809.9

BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	15.1	15.1

SHRUB-OLDFIELD (ACRES): 0.0 IMPROVED PASTURE (ACRES): 91.9

CROPS (ACRES): 1537.3

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 35.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 11

UNIMPROVED ROADS: 1.0 MILES

LIGHT DUTY ROADS: 5.1 MILES

SECONDARY HIGHWAYS: 1.1 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20+

COMMENTS: ALL PRIVATE. EXTENSIVE FOREST. OUTLOOK GOOD.

COUNTY: KNOX

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: APPLETON AND PERSIFER

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
N 1/2 SECT. 35, T10N, R3E PERSIFER TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	16.5	56.8	73.4
NOT PASTURED	45.0	623.9	668.9
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	41.5	IMPROVED PASTURE (ACRES):	
138.1			
CROPS (ACRES):	1631.7		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 30.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 33

UNIMPROVED ROADS: 1.5 MILES

LIGHT DUTY ROADS: 4.6 MILES

SECONDARY HIGHWAYS: 2.4 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 2.3 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: ALL PRIVATE. I-74 CROSSES AREA AND INCREASES
MORTALITY. EXTENSIVE FOREST. OUTLOOK GOOD.

COUNTY: KNOX

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: WILLIAMSFIELD, APPLETON, YATES CITY,
MAQUON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 1, T10N, R3E HAW CREEK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	40.5	44.5	85.0
NOT PASTURED	33.8	345.6	379.4
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	5.4	0.0	5.4
SHRUB-OLDFIELD (ACRES):	125.7	IMPROVED PASTURE (ACRES):	
28.4			
CROPS (ACRES):	1911.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 23.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 25

UNIMPROVED ROADS: 2.4 MILES

LIGHT DUTY ROADS: 6.9 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 2.2 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20+

COMMENTS: ALL PRIVATE. EXTENSIVE FOREST. PRESENCE OF I-74 MEANS
HIGH MORTALITY. OUTLOOK GOOD.

COUNTY: KNOX

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: ONEIDA, VICTORIA, APPLETON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SE 1/4 SECT. 27, T12N, R3E COPLEY TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	12.8	0.0	12.8
NOT PASTURED	149.4	539.0	688.4
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 435.2 IMPROVED PASTURE (ACRES): 36.3

CROPS (ACRES): 1052.7

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 44.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 48

UNIMPROVED ROADS: 7.3 MILES

LIGHT DUTY ROADS: 8.0 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50+

COMMENTS: GOOD MIX OF HABITATS-- STRIP MINES, LAKES, CROPS, AND FOREST. OUTLOOK GOOD.

COUNTY: KNOX

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: APPLETON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
W 1/2 SECT. 7, T11N, R3E PERSIFER TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	14.6	23.0	37.5
NOT PASTURED	48.2	271.5	319.6
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	58.5	58.5
SHRUB-OLDFIELD (ACRES):	172.9	IMPROVED PASTURE (ACRES):	
52.6			
CROPS (ACRES):	1917.7		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 23.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 16

UNIMPROVED ROADS: .7 MILES

LIGHT DUTY ROADS: 6.8 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30+

COMMENTS: ALL PRIVATE. EXTENSIVE DEER HABITAT. OUTLOOK GOOD.

COUNTY: KNOX

AREA: 7

7.5' TOPOGRAPHIC QUADRANGLE: APPLETON AND ONEIDA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 30, T12N, R3E COPLEY TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	34.8	110.4	145.2
NOT PASTURED	44.2	597.0	641.2
BOTTOMLAND FOREST:			
PASTURED	4.2	0.0	4.2
NOT PASTURED	2.5	10.9	13.3
SHRUB-OLDFIELD (ACRES):	95.3	IMPROVED PASTURE (ACRES):	
141.8			
CROPS (ACRES):	1514.6		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 35.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 14

UNIMPROVED ROADS: .5 MILES

LIGHT DUTY ROADS: 0.0 MILES

SECONDARY HIGHWAYS: 3.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: EXTENSIVE FOREST. OUTLOOK GOOD.

COUNTY: KNOX

AREA: 8

7.5' TOPOGRAPHIC QUADRANGLE: NORTH HENDERSON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NE 1/4 SECT. 6, T12N, R1E HENDERSON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	93.6	89.7	183.3
NOT PASTURED	69.7	180.3	250.0
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	178.8	IMPROVED PASTURE (ACRES):	
120.0			
CROPS (ACRES):	1823.8		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 23.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA
NUMBER OF OCCUPIED DWELLINGS: 29
UNIMPROVED ROADS: .9 MILES
LIGHT DUTY ROADS: 5.3 MILES
SECONDARY HIGHWAYS: 0.0 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-30

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: KNOX

AREA: 9

7.5' TOPOGRAPHIC QUADRANGLE: MAQUON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
E 1/2 SECT. 11, T9N, R2E CHESTNUT TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	29.1	150.2	179.3
NOT PASTURED	37.3	151.7	189.0
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	32.9	32.9
SHRUB-OLDFIELD (ACRES):	5.9	IMPROVED PASTURE (ACRES):	
20.5			
CROPS (ACRES):	2131.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 15.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS:	9
UNIMPROVED ROADS:	.7 MILES
LIGHT DUTY ROADS:	4.1 MILES
SECONDARY HIGHWAYS:	0.0 MILES
PRIMARY HIGHWAYS:	0.0 MILES
INTERSTATE HIGHWAYS:	0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: KNOX

AREA: 10

7.5' TOPOGRAPHIC QUADRANGLE: DELONG

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
S 1/2 SECT. 36, T10N, R1E CEDAR TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	250.7	136.3	387.0
NOT PASTURED	49.2	818.8	868.0
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	31.4	IMPROVED PASTURE (ACRES):	
51.4			
CROPS (ACRES):	1216.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 50.2

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 16

UNIMPROVED ROADS: 3.3 MILES

LIGHT DUTY ROADS: 3.0 MILES

SECONDARY HIGHWAYS: 2.4 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25 +

COMMENTS: ALL PRIVATE. EXTENSIVE FOREST. OUTLOOK GOOD.

COUNTY: KNOX

AREA: 11

7.5' TOPOGRAPHIC QUADRANGLE: DELONG

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 24, T10N, R1E CEDAR TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	126.7	138.6	265.3
NOT PASTURED	140.0	492.0	632.1
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	29.9	0.0	29.9
SHRUB-OLDFIELD (ACRES):	49.2	IMPROVED PASTURE (ACRES):	
105.0			
CROPS (ACRES):	1470.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 38.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 21

UNIMPROVED ROADS: 1.9 MILES

LIGHT DUTY ROADS: 8.4 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: ALL PRIVATE. EXTENSIVE FOREST. OUTLOOK GOOD.

COUNTY: MARSHALL

AREA: 1

7.5 TOPOGRAPHIC QUADRANGLE: LAROSE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
W 1/2 SECT. 26, T28N, R1E BELL PLAIN TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	66.2	0.0	66.2
NOT PASTURED	0.0	106.5	106.5
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	14.8	IMPROVED PASTURE (ACRES):	
116.1			
CROPS (ACRES):	2326.7		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 7.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 9

UNIMPROVED ROADS: 3.6 MILES

LIGHT DUTY ROADS: 41.3 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. LIMITED FOREST. OUTLOOK UNCERTAIN.

COUNTY: MARSHALL

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: ROME

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 24, T29N, R3W RICHLAND TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2302 (ACRES) 90% OF TOTAL 4 SQUARE MILES

PUBLIC: 256 (ACRES) 10% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: MARSHALL COUNTY STATE AREA

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	200.1	113.6	313.7
NOT PASTURED	328.5	805.2	1133.7
BOTTOMLAND FOREST:	;		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	64.2	IMPROVED PASTURE (ACRES):	
140.8			
CROPS (ACRES):	1111.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 59.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 12

UNIMPROVED ROADS: 9.4 MILES

LIGHT DUTY ROADS: 58.6 MILES

SECONDARY HIGHWAYS: 7.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: EXTENSIVE FOREST BOTH PRIVATE AND PUBLIC. OUTLOOK GOOD.

COUNTY: MARSHALL

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: WENONA AND VARNA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 9, T30N, R1W ROBERTS TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	88.9	279.1	368.0
BOTTOMLAND FOREST:	;		
PASTURED	44.5	0.0	44.5
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	145.7	IMPROVED PASTURE (ACRES):	
264.3			
CROPS (ACRES):	1417.8		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 21.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 8

UNIMPROVED ROADS: 43.6 MILES

LIGHT DUTY ROADS: 15.7 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. EXTENSIVE FORESTS AND LOW HUMAN USE.
OUTLOOK GOOD.

COUNTY: MASON

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: BIGGS

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 26, T20N, R8W KILBOURNE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	1.7	1.7
NOT PASTURED	107.2	667.1	774.3

BOTTOMLAND FOREST:

PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 40.8 IMPROVED PASTURE (ACRES):
26.9

CROPS (ACRES): 1695.4

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 31.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 6

UNIMPROVED ROADS: 3.9 MILES

LIGHT DUTY ROADS: 1.7 MILES

SECONDARY HIGHWAYS: 2.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25 +

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: MASON

AREA: 2

7.5 TOPOGRAPHIC QUADRANGLE: BIGGS

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
W 1/2 SECT. 13, T20N, R8W KILBOURNE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	14.3	14.3
NOT PASTURED	122.3	332.7	455.0
BOTTOMLAND FOREST:	;		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	13.6	IMPROVED PASTURE (ACRES):	
7.2			
CROPS (ACRES):	2045.7		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 18.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 9
UNIMPROVED ROADS: 4.9 MILES
LIGHT DUTY ROADS: 1.2 MILES
SECONDARY HIGHWAYS: 0.0 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25 +

COMMENTS: ALL PRIVATE. EXTENSIVE FOREST. OUTLOOK UNCERTAIN.

COUNTY: MASON

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: DUCK ISLAND AND MANITO

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
W 1/2 SECT. 27, T23N, R7W QUIVER TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 767 (ACRES) 30% OF TOTAL 4 SQUARE MILES
PUBLIC: 1791 (ACRES) 70% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: SAND RIDGE STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	257.1	960.1	1217.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	40.3	IMPROVED PASTURE (ACRES):	
12.8			
CROPS (ACRES):	902.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 49.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA
NUMBER OF OCCUPIED DWELLINGS: 27
UNIMPROVED ROADS: 2.7 MILES
LIGHT DUTY ROADS: 6.7 MILES
SECONDARY HIGHWAYS: 0.0 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50 +

COMMENTS: STATE FOREST PROTECTS DEER HABITAT. OUTLOOK GOOD.

COUNTY: MASON

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: MANITO AND DUCK ISLAND

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
W 1/2 SECT. 2, T22N, R7W FOREST CITY TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 179 (ACRES) 7% OF TOTAL 4 SQUARE MILES
PUBLIC: 2379 (ACRES) 93% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: SAND RIDGE STATE FOREST

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	13.8	13.8
NOT PASTURED	67.9	1003.3	1071.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 20.3 IMPROVED PASTURE (ACRES):
41.2
CROPS (ACRES): 994.4

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 43.2

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA
NUMBER OF OCCUPIED DWELLINGS: 4
UNIMPROVED ROADS: 2.1 MILES
LIGHT DUTY ROADS: 6.1 MILES
SECONDARY HIGHWAYS: 0.0 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 100+

COMMENTS: STATE FOREST PROTECTS DEER HABITAT. AREA IS HUNTED BY
GUN AND ARCHERY HUNTERS. OUTLOOK GOOD.

COUNTY: MASON

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: TOPEKA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
E 1/2 SECT. 14, T21N, R8W HAVANA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	28.4	28.4
NOT PASTURED	47.2	650.4	697.5
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	39.0	IMPROVED PASTURE (ACRES):	
7.2			
CROPS (ACRES):	1776.7		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 29.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA
NUMBER OF OCCUPIED DWELLINGS: 23
UNIMPROVED ROADS: 3.9 MILES
LIGHT DUTY ROADS: 4.8 MILES
SECONDARY HIGHWAYS: 0.0 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25 +

COMMENTS: ALL PRIVATE. EXTENSIVE FOREST. OUTLOOK GOOD.

COUNTY: MASON

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: CLEAR LAKE AND CHANDLERVILLE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 20, T19N, R10W LYNCHBURG TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2302 (ACRES) 90% OF TOTAL 4 SQUARE MILES

PUBLIC: 256 (ACRES) 10% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: SANGANOIS CONSERVATION AREA

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	8.9	30.1	39.0
NOT PASTURED	43.7	475.0	518.7
BOTTOMLAND FOREST:	;		
PASTURED	0.0	0.0	0.0
NOT PASTURED	157.6	310.0	467.6
SHRUB-OLDFIELD (ACRES):	6.4	IMPROVED PASTURE (ACRES):	
21.2			
CROPS (ACRES):	1343.7		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 40.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 41

UNIMPROVED ROADS: 9.0 MILES

LIGHT DUTY ROADS: 2.2 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50 +

COMMENTS: STATE AREA PROTECTS FOREST AND PRIVATE FORESTS ON SAND SOILS UNLIKELY TO BE CLEARED FOR AGRICULTURE. OUTLOOK GOOD.

COUNTY: MASON

AREA: 7

7.5' TOPOGRAPHIC QUADRANGLE: EASTON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 25, T20N, R7W CRANE CREEK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	60.5	0.0	60.5
NOT PASTURED	75.1	329.7	404.8
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	189.2	IMPROVED PASTURE (ACRES):	
65.5			
CROPS (ACRES):	1836.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 25.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 10

UNIMPROVED ROADS: 1.1 MILES

LIGHT DUTY ROADS: 8.1 MILES

SECONDARY HIGHWAYS: 1.1 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: ALL PRIVATE. FORESTS ON SAND SOILS WHICH ARE UNLIKELY TO BE CLEARED.

OUTLOOK GOOD.

COUNTY: MASON

AREA: 8

7.5' TOPOGRAPHIC QUADRANGLE: KILBOURNE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

E 1/2 SECT. 23, T20N, R9W BATH TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1637 (ACRES) 64% OF TOTAL 4 SQUARE MILES

PUBLIC: 921 (ACRES) 36% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: MASON COUNTY STATE WILDLIFE AREA

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	3.2	33.3	36.6
NOT PASTURED	14.6	1115.7	1130.3
BOTTOMLAND FOREST:	;		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	52.6	IMPROVED PASTURE (ACRES):	
6.9			
CROPS (ACRES):	1319.7		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 47.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 1

UNIMPROVED ROADS: 3.7 MILES

LIGHT DUTY ROADS: 0.0 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 40+

COMMENTS: FOREST PROTECTED BY STATE AREA. OUTLOOK GOOD.

COUNTY: MERCER

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: NEW WINDSOR

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
N 1/2 SECT. 1, T13N, R1W NORTH HENDERSON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	299.4	299.4
BOTTOMLAND FOREST:	;		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	49.9	49.9
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
10.6			
CROPS (ACRES):	2196.1		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 13.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 25

UNIMPROVED ROADS: 2.1 MILES

LIGHT DUTY ROADS: 6.0 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20 +

COMMENTS : ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: MERCER

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: MATHERVILLE AND ORION

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
N 1/2 SECT. 17, T15N, R1W RICHLAND GROVE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	818.3	818.3
BOTTOMLAND FOREST:	;		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
65.2			
CROPS (ACRES):	1675.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 32.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 43

UNIMPROVED ROADS: 1.1 MILES

LIGHT DUTY ROADS: 7.2 MILES

SECONDARY HIGHWAYS: .1 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: ALL PRIVATE. WITHIN 1/2 OF THE CITY OF SHERRARD.
OUTLOOK UNCERTAIN.

COUNTY: MERCER

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: BUFFALO PRAIRIE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
W 1/2 SECT. 19, T15N, R3W FERRYTON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	56.1	18.0	74.1
NOT PASTURED	42.0	618.0	660.0
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	54.8	IMPROVED PASTURE (ACRES):	
81.0			
CROPS (ACRES):	1689.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 30.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 27

UNIMPROVED ROADS: .6 MILES

LIGHT DUTY ROADS: 6.6 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: MERCER

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: ELIZA AND BLANCHARD ISLAND

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SW 1/4 SECT. 5, T15N, R4W ELIZA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	20.5	20.5
NOT PASTURED	0.0	91.6	91.6
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
71.4			
CROPS (ACRES):	1550.7		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 4.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 25

UNIMPROVED ROADS: .2 MILES

LIGHT DUTY ROADS: 4.3 MILES

SECONDARY HIGHWAYS: 2.7 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15+

COMMENTS: ALL PRIVATE. BLUFF AND RAVINE FORESTS NOT EASY TO DEVELOP. OUTLOOK GOOD

COUNTY: MERCER

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: ELIZA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

E 1/2 SECT. 29, T15N, R5W ELIZA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	82.0	82.0
NOT PASTURED	0.0	348.8	348.8
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
79.3			
CROPS (ACRES):	2048.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 16.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 15

UNIMPROVED ROADS: .4 MILES

LIGHT DUTY ROADS: 5.5 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: ALL PRIVATE. BLUFF AND RAVINE FORESTS. OUTLOOK
UNCERTAIN.

COUNTY: MERCER

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: JOY AND ALEDO WEST

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NE 1/4 SECT. 6, T13N, R4W ABINGTON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	388.8	388.8
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	2.2	2.2
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
0.0			
CROPS (ACRES):	2166.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 15.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 15

UNIMPROVED ROADS: 1.4 MILES

LIGHT DUTY ROADS: 6.3 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15+

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: MERCER

AREA: 7

7.5 TOPOGRAPHIC QUADRANGLE: ALEDO WEST

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
S 1/2 SECT. 10, T13N, R4W ABINGTON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	354.0	354.0
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	131.9	131.9
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
69.2			
CROPS (ACRES):	1968.6		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 19.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 6

UNIMPROVED ROADS: 0.0 MILES

LIGHT DUTY ROADS: 6.8 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15+

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: MERCER

AREA: 8

7.5' TOPOGRAPHIC QUADRANGLE: JOY

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 4, T13N, R5W KEITHSBURG TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2430 (ACRES) 95% OF TOTAL 4 SQUARE MILES

PUBLIC: 128 (ACRES) 5% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: UPPER MISS. RIVER F&W REFUGE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	42.0	42.0
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	550.8	550.8
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
28.7			
CROPS (ACRES):	1359.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 23.2

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 12

UNIMPROVED ROADS: 4.3 MILES

LIGHT DUTY ROADS: 1.4 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50+

COMMENTS: FOREST MOSTLY BOTTOMLAND. SOME PROTECTION IN REFUGE.
DEER NEED UPLANDS WHEN RIVER FLOODS. OUTLOOK GOOD.

COUNTY: MERCER

AREA: 9

7.5 TOPOGRAPHIC QUADRANGLE: VIOLA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

E 1/2 SECT. 1, T13N, R2W SUEZ TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	76.3	76.3
NOT PASTURED	0.0	638.7	638.7
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
22.5			
CROPS (ACRES):	1821.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 27.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 26

UNIMPROVED ROADS: 2.2 MILES

LIGHT DUTY ROADS: 7.8 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25 +

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: MERCER

AREA: 10

7.5' TOPOGRAPHIC QUADRANGLE: ALEDO WEST AND JOY

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NW 1/4 SECT. 16, T14N, R4W MILLERSBURG TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	18.0	18.0
NOT PASTURED	0.0	360.4	360.4
BOTTOMLAND FOREST:			
PASTURED	0.0	57.1	57.1
NOT PASTURED	0.0	120.8	120.8
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
112.6			
CROPS (ACRES):	1794.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 21.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 69

UNIMPROVED ROADS: 2.5 MILES

LIGHT DUTY ROADS: 4.5 MILES

SECONDARY HIGHWAYS: 2.1 MILES

PRIMARY HIGHWAYS: 2.2 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-20

COMMENTS: ALL PRIVATE. WITHIN 1/2 MILE OF VILLAGE OF JOY. OUTLOOK
UNCERTAIN.

COUNTY: PEORIA

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: SPRING BAY

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
S 1/2 SECT. 21, T10N, R8E MEDINA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2225 (ACRES) 87% OF TOTAL 4 SQUARE MILES
PUBLIC: 333 (ACRES) 13% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: PEORIA CITY PARKS

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	24.5	253.7	278.1
NOT PASTURED	111.4	131.9	243.3
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	20.5	IMPROVED PASTURE (ACRES):	
23.0			
CROPS (ACRES):	793.1		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 21.2

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 312

UNIMPROVED ROADS: 2.0 MILES

LIGHT DUTY ROADS: 5.8 MILES

SECONDARY HIGHWAYS: 1.7 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: CLOSE TO CITY OF PEORIA. PROTECTED BY URBAN PARK.
OUTLOOK GOOD IF FORESTS ARE NOT DESTROYED.

COUNTY: PEORIA

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: SPRING BAY

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
W 1/2 SECT. 9, T10N, R8E MEDINA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2046 (ACRES) 80% OF TOTAL 4 SQUARE MILES
PUBLIC: 512 (ACRES) 20% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: PEORIA CITY PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	26.7	29.9	56.6
NOT PASTURED	215.1	1173.7	1388.9
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
46.4			
CROPS (ACRES):	996.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 56.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA
NUMBER OF OCCUPIED DWELLINGS: 49
UNIMPROVED ROADS: 2.0 MILES
LIGHT DUTY ROADS: .6 MILES
SECONDARY HIGHWAYS: 0.0 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50 +

COMMENTS: PARK PROTECTS FOREST HABITAT. OUTLOOK GOOD.

COUNTY: PEORIA

AREA: 3

7.5 TOPOGRAPHIC QUADRANGLE: GLASFORD AND PEKIN

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 24, T24N, R6E TIMBER TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE
MILES

PUBLIC: 0% OF TOTAL 4 SQUARE
MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	67	57	124
NOT PASTURED	63	583	646
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0
NOT PASTURED	0.0	0.0	0

SHRUB-OLD FIELD: 47 ACRES IMPROVED PASTURE: 70 ACRES

CROPS: 1657 ACRES

% OF 4 SQUARE MILE AREA IN FOREST OR SHRUB: 31.9.

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 63

UNIMPROVED ROADS: 1.4 MILES

LIGHT DUTY ROADS: 0.6 MILES

SECONDARY HIGHWAY: 0.0

PRIMARY HIGHWAY: 0.8 MILE

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: ALL PRIVATE. WITHIN 3-4 MILES OF PEKIN. OUTLOOK
UNCERTAIN.

COUNTY: PERORIA

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: GLASFORD

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
S 1/2 SECT. 9, T7N, R6E TIMBER TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	27.7	95.8	123.5
NOT PASTURED	9.6	88.2	97.8
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	62.7	IMPROVED PASTURE (ACRES):	
107.4			
CROPS (ACRES):	1788.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 11.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 34

UNIMPROVED ROADS: 1.2 MILES

LIGHT DUTY ROADS: 6.1 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-30

COMMENTS: ALL PRIVATE. CLOSE TO CITY OF PEKIN. HUMAN ACTIVITY
HIGH. FUTURE UNCERTAIN BUT LIKELY TO LOSE DEER HABITAT.

COUNTY:PEORIA

AREA: 5

7.5 TOPOGRAPHIC QUADRANGLE: OAK HILL

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
S 1/2 SECT. 27, T10N, R6E JUBILEE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE:1100 (ACRES) 43% OF TOTAL 4 SQUARE MILES
PUBLIC: 1458 (ACRES) 57% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: JUBILEE COLLEGE STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	25.2	117.8	143.0
NOT PASTURED	15.1	765.0	780.0
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	34.6	44.2	78.8
SHRUB-OLDFIELD (ACRES):	12.8	IMPROVED PASTURE (ACRES):	
47.2			
CROPS (ACRES):	1359.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 39.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 26

UNIMPROVED ROADS: 2.6 MILES

LIGHT DUTY ROADS: 5.1 MILES

SECONDARY HIGHWAYS: .4 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN:50 +

COMMENTS: STATE PARK ARCHERY HUNTING ONLY. OUTLOOK GOOD.

COUNTY: FLORENCE

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: PRINCEVILLE AND OAK HILL

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

E 1/2 SECT. 5, T10N, R6E JUBILEE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2430 (ACRES) 95% OF TOTAL 4 SQUARE MILES

PUBLIC: 128 (ACRES) 5% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: JUBILEE COLLEGE STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	149.9	150.2	300.1
NOT PASTURED	113.1	395.0	508.1
BOTTOMLAND FOREST:			
PASTURED	22.2	0.0	22.2
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 0.0 IMPROVED PASTURE (ACRES): 82.5

CROPS (ACRES): 1649.2

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 32.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 18

UNIMPROVED ROADS: 2.9 MILES

LIGHT DUTY ROADS: 1.0 MILES

SECONDARY HIGHWAYS: 1.9 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: STATE PARK PROTECTS SOME FOREST. ARCHERY HUNTING ONLY ON PUBLIC LAND. OUTLOOK GOOD.

COUNTY: PEORIA

AREA: 7

7.5' TOPOGRAPHIC QUADRANGLE: DUNLAP

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
N 1/2 SECT. 28, T10N, R7E RADNOR TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	33.8	188.7	222.5
NOT PASTURED	174.9	405.8	580.7
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	65.5	IMPROVED PASTURE (ACRES):	
40.3			
CROPS (ACRES):	1643.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 33.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA
NUMBER OF OCCUPIED DWELLINGS: 62
UNIMPROVED ROADS: 4.3 MILES
LIGHT DUTY ROADS: 4.3 MILES
SECONDARY HIGHWAYS: .5 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: ALL PRIVATE. HIGH HUMAN DENSITY. OUTLOOK UNCERTAIN.

COUNTY: PEORIA

AREA: 8

7.5' TOPOGRAPHIC QUADRANGLE: DUNLAP AND PEORIA WEST

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
S 1/2 SECT. 17, T9N, R7E KICKAPOO TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	40.5	58.0	98.6
NOT PASTURED	79.3	397.9	477.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	16.3	16.3
SHRUB-OLDFIELD (ACRES):	70.4	IMPROVED PASTURE (ACRES):	
42.0			
CROPS (ACRES):	1802.6		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 25.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 91

UNIMPROVED ROADS: 3.0 MILES

LIGHT DUTY ROADS: 4.9 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 2.3 MILES

INTERSTATE HIGHWAYS: 2.3 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15+

COMMENTS: ALL PRIVATE. WITHIN 3 MILES OF PEORIA. HIGH HUMAN DENSITY AND INTERSTATE HIGHWAY PRESENT. OUTLOOK NOT FAVORABLE. AREA WILL LIKELY LOSE DEER HABITAT WITHIN THE NEXT FEW YEARS.

COUNTY: PEORIA

AREA: 9

7.5' TOPOGRAPHIC QUADRANGLE: HANNA CITY AND OAK HILL

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
N 1/2 SECT. 22, T9N, R6E ROSEFIELD TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	107.9	29.4	137.3
NOT PASTURED	116.8	365.6	482.4
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	144.5	IMPROVED PASTURE (ACRES):	
51.1			
CROPS (ACRES):	1401.2		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 29.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 43

UNIMPROVED ROADS: 6.2 MILES

LIGHT DUTY ROADS: 6.9 MILES

SECONDARY HIGHWAYS: 4.7 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-50

COMMENTS: ALL PRIVATE. MOST OF DEER HABITAT OLD STRIP MINES
UNLIKELY TO FACE URBAN DEVELOPMENT. OUTLOOK GOOD.

COUNTY: PEORIA

AREA: 10

7.5' TOPOGRAPHIC QUADRANGLE: ROME

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 22, T11N, R8E HALLOCK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1995 (ACRES) 78% OF TOTAL 4 SQUARE MILES
PUBLIC: 563 (ACRES) 22% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: COUNTY PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	210.2	43.5	253.7
NOT PASTURED	176.1	897.1	1073.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	209.5	IMPROVED PASTURE (ACRES):	92
CROPS (ACRES):	911.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 60.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 134

UNIMPROVED ROADS: 2.7 MILES

LIGHT DUTY ROADS: 5.3 MILES

SECONDARY HIGHWAYS: 4.6 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-50+

COMMENTS: MOST PUBLIC LAND DEVELOPED CLOSE TO LAKES. PRIVATE LANDS VULNERABLE TO CONTINUED DEVELOPMENT. OUTLOOK NOT FAVORABLE FOR DEER ACCESS TO HABITAT.

COUNTY: PEORIA

AREA: 11

7.5' TOPOGRAPHIC QUADRANGLE: ROME

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

E 1/2 SECT. 11, T11N, R8E HALLOCK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	76.1	78.3	154.4
NOT PASTURED	57.6	962.3	1019.9
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	14.3	14.3

SHRUB-OLDFIELD (ACRES): 4.2 IMPROVED PASTURE (ACRES): 17.8

CROPS (ACRES): 1328.4

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 46.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 23

UNIMPROVED ROADS: 1.1 MILES

LIGHT DUTY ROADS: 5.5 MILES

SECONDARY HIGHWAYS: .7 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-50

COMMENTS: ALL PRIVATE. EXTENSIVELY FORESTED. OUTLOOK UNCERTAIN

COUNTY: PEORIA

AREA: 12

7.5' TOPOGRAPHIC QUADRANGLE: ROME

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 9, T11N, R8E HALLOCK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	37.8	144.0	181.8
NOT PASTURED	107.2	863.0	970.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 13.1 IMPROVED PASTURE (ACRES): 63.0

CROPS (ACRES): 1313.8

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 45.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 26

UNIMPROVED ROADS: .2 MILES

LIGHT DUTY ROADS: 4.5 MILES

SECONDARY HIGHWAYS: 1.9 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-50

COMMENTS: ALL PRIVATE. EXTENSIVE FOREST AND RELATIVELY LOW HUMAN DENSITY. OUTLOOK GOOD.

COUNTY: PUTNAM

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: PUTNAM

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 13, T14N, R9E SENACHWINE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	103.5	103.5
NOT PASTURED	0.0	397.2	397.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 0.0 IMPROVED PASTURE (ACRES): 15.8

CROPS (ACRES): 2045

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 19.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 46

UNIMPROVED ROADS: 5.7 MILES

LIGHT DUTY ROADS: 6.1 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50+

COMMENTS: ALL PRIVATE. LAKE THUNDERBIRD DEVELOPMENT COULD ADVERSELY IMPACT ON DEER HABITAT. OUTLOOK UNCERTAIN.

COUNTY: PUTNAM

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: FLORID AND DEPUE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NW 1/4 SECT. 13, T32N,R2W HENNEPIN TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	89.4	89.4
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
0.0			
CROPS (ACRES):	2468		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 3.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 10

UNIMPROVED ROADS: 1.4 MILES

LIGHT DUTY ROADS: 0.0 MILES

SECONDARY HIGHWAYS: 3.0 MILES

PRIMARY HIGHWAYS: 2.1 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 40-50

COMMENTS: ALL PRIVATE. SCATTERED FOREST. WITHIN 1 MILE OF
VILLAGE OF HENNEPIN. OUTLOOK UNCERTAIN

COUNTY: PUTNAM

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: MCNABB

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NE 1/4 SECT. 21, T31N, R1W MAGNOLIA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	126.5	126.5
NOT PASTURED	0.0	124.5	124.5
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
44.5			
CROPS (ACRES):	2265		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 9.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 15

UNIMPROVED ROADS: 6.4 MILES

LIGHT DUTY ROADS: 55.5 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-30

COMMENTS: ALL PRIVATE. LARGE REFUGE PRESENT (PRIVATE). OUTLOOK GOOD.

COUNTY: PUTNAM

AREA: 4

7.5 TOPOGRAPHIC QUADRANGLE: FLORID

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NW 1/4 SECT. 1, T31N, R1W HENNEPIN TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2277 (ACRES) 89% OF TOTAL 4 SQUARE
MILES

PUBLIC: 281 (ACRES) 11% OF TOTAL 4 SQUARE
MILES

TYPE OF PUBLIC OWNERSHIP: COUNTY PRESERVE

	< 50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	564.6	0.0	564.6
NOT PASTURED	0.0	263.5	263.5
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLD FIELD: 0.0 IMPROVED PASTURE (ACRES): 221.3

CROPS (ACRES): 1509

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 79.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 21

UNIMPROVED ROADS: 1.9 MILES

LIGHT DUTY ROADS: 3.3 MILES

SECONDARY ROADS: 2.0 MILES

PRIMARY ROADS: 0.0 MILES

INTERSTATE ROADS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25 +

COMMENTS: COUNTY PRESERVE PROTECTS DEER HABITAT. OUTLOOK GOOD.

COUNTY: PUTNAM

AREA: 5

7.5 TOPOGRAPHIC QUADRANGLE: FLORID

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT.24, T31N, R2W HENNEPIN TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE
MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE
MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	< 50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	5.2	5.2
NOT PASTURED	0.0	697.5	697.5
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	31.9	329.0	360.9

SHRUB-OLD FIELD: 27.1 IMPROVED PASTURE(ACRES): 60.8

CROPS (ACRES): 1315

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 42.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 10

UNIMPROVED ROADS: 0.9 MILES

LIGHT DUTY ROADS: 4.9 MILES

SECONDARY ROADS: 2.5 MILES

PRIMARY ROADS: 0.0 MILES

INTERSTATE ROADS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-25

COMMENTS: AREA IS EXTENSIVELY FORESTED WITH NO OBVIOUS THREATS.
OUTLOOK GOOD.

COUNTY: PUTNAM

AREA: 6

7.5 TOPOGRAPHIC QUADRANGLE: SPRING VALLEY

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
S 1/2 SECT.26, T33N, R11E GRANVILLE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE
MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE
MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	< 50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	29.1	478.7	507.8
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	40.5	40.5

SHRUB-OLD FIELD: 197.3 IMPROVED PASTURE(ACRES): 43.1

CROPS (ACRES): 1725

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 29.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 34

UNIMPROVED ROADS: 1.6 MILES

LIGHT DUTY ROADS: 7.6 MILES

SECONDARY ROADS: 0.0 MILES

PRIMARY ROADS: 0.8 MILES

INTERSTATE ROADS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-20

COMMENTS: AREA CLOSE TO ILLINOIS RIVER HAS SOME REFUGE NOW BUT
OUTLOOK UNCERTAIN.

COUNTY: ROCK ISLAND AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: MONTPELIER

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
N 1/2 SECT. 3, T17N, R4W BUFFALO PRAIRIE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1228 (ACRES) 48% OF TOTAL 4 SQUARE MILES
PUBLIC: 1330 (ACRES) 52% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: LOUD THUNDER FOREST PRESERVE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	22.3	22.3
NOT PASTURED	0.0	1467.7	1467.7
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 31.6 IMPROVED PASTURE (ACRES):
67.9
CROPS (ACRES): 809.4

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 59.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 16
UNIMPROVED ROADS: 1.1 MILES
LIGHT DUTY ROADS: 5.1 MILES
SECONDARY HIGHWAYS: 0.0 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 100+

COMMENTS: MOST OF AREA IN FOREST PRESERVE. OUTLOOK GOOD.

COUNTY: ROCK ISLAND

AREA: 2

7.5 TOPOGRAPHIC QUADRANGLE: ILLINOIS CITY AND MONTPELIER

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

E 1/2 SECT. 6, T16N, R4W BUFFALO PRAIRIE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2481 (ACRES) 97% OF TOTAL 4 SQUARE MILES

PUBLIC: 77 (ACRES) 3% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: UPPER MISS. RIVER F&W REFUGE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	1007.5	1007.5
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	256.4	IMPROVED PASTURE (ACRES):	
71.1			
CROPS (ACRES):	1223.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 49.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 32

UNIMPROVED ROADS: 1.1 MILES

LIGHT DUTY ROADS: 4.8 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 2.8 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50+

COMMENTS: PUBLIC LAND SUBJECT TO FLOODS. EXTENSIVE UPLAND FORESTS. OUTLOOK GOOD

COUNTY: ROCK ISLAND AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: ILLINOIS CITY

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
E 1/2 SECT. 2, T16N, R5W DRURY TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2353 (ACRES) 92% OF TOTAL 4 SQUARE MILES
PUBLIC: 205 (ACRES) 8% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: UPPER MISS. RIVER F&W REFUGE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	34.6	34.6
NOT PASTURED	0.0	777.1	777.1
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	109.4	109.4
SHRUB-OLDFIELD (ACRES):	107.4	IMPROVED PASTURE (ACRES):	
42.5			
CROPS (ACRES):	1117.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 40.2

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS:	45
UNIMPROVED ROADS:	.4 MILES
LIGHT DUTY ROADS:	5.2 MILES
SECONDARY HIGHWAYS:	0.0 MILES
PRIMARY HIGHWAYS:	2.4 MILES
INTERSTATE HIGHWAYS:	0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: PUBLIC FOREST SUBJECT TO FLOODING. EXTENSIVE UPLAND FORESTS. OUTLOOK GOOD.

COUNTY: ROCK ISLAND

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: MONTPELIER AND ANDALUSIA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 5, T16N, R3W ANDALUSIA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	10.4	17.5	27.9
NOT PASTURED	0.0	981.3	981.3
BOTTOMLAND FOREST:	;		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	45.7	45.7
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
85.7			
CROPS (ACRES):	1412.1		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 41.2

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 72

UNIMPROVED ROADS: .4 MILES

LIGHT DUTY ROADS: 8.4 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: ALL PRIVATE. FOREST NOT EXTENSIVE. OUTLOOK UNCERTAIN

COUNTY: ROCK ISLAND

AREA: 5

7.5 TOPOGRAPHIC QUADRANGLE: ANDALUSIA AND MILAN

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

E 1/2 SECT. 32, T17N, R2W BLACKHAWK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	28.7	140.8	169.4
NOT PASTURED	31.5	773.6	805.1
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 61.0 IMPROVED PASTURE (ACRES): 127.7

CROPS (ACRES): 1255.0

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 40.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 93

UNIMPROVED ROADS: .4 MILES

LIGHT DUTY ROADS: 13.6 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: .2 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20+

COMMENTS: ALL PRIVATE WITHIN 5 MILES OF CITY OF ROCK ISLAND. URBAN DEVELOPMENT WITHIN 1 MILE. OUTLOOK POOR--DEER LIKELY TO LOSE HABITAT.

COUNTY: ROCK ISLAND

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: ELIZA AND BLANCHARD ISLAND

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 29, T16N, R5W DRURY TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	19.5	845.2	864.7
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	94.6	IMPROVED PASTURE (ACRES):	
108.2			
CROPS (ACRES):	1491.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 37.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 75

UNIMPROVED ROADS: .6 MILES

LIGHT DUTY ROADS: 5.6 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20+

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: TAZEWELL

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: MACKINAW

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 2, T24N, R2W MACKINAW TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2046 (ACRES) 80% OF TOTAL 4 SQUARE MILES

PUBLIC: 512 (ACRES) 20% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: State of Illinois

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	67.7	66.9	134.6
NOT PASTURED	93.4	68.4	161.8

BOTTOMLAND FOREST:

PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	8.2	8.2

SHRUB-OLDFIELD (ACRES): 54.8 IMPROVED PASTURE (ACRES): 102.8

CROPS (ACRES): 1474.3

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 14.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 27

UNIMPROVED ROADS: 2.0 MILES

LIGHT DUTY ROADS: 3.7 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20+

COMMENTS: PUBLIC LANDS PROTECT SOME DEER HABITAT. OUTLOOK GOOD.

COUNTY: TAZEWELL

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: MACKINAW

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SW 1/4 SECT. 33 , T25N, R2W DEER CREEK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	31.6	128.9	160.6
NOT PASTURED	54.1	536.5	590.6
BOTTOMLAND FOREST:			
PASTURED	0.0	9.6	9.6
NOT PASTURED	1.5	35.8	37.3

SHRUB-OLDFIELD (ACRES): 50.6 IMPROVED PASTURE (ACRES): 67.9

CROPS (ACRES): 1613.7

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 33.2

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 57

UNIMPROVED ROADS: 2.6 MILES

LIGHT DUTY ROADS: 8.8 MILES

SECONDARY HIGHWAYS: 1.2 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: TAZEWELL

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: HOPEDALE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NW 1/4 SECT. 14, T23N, R3W HOPEDALE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2481 (ACRES) 97% OF TOTAL 4 SQUARE MILES

PUBLIC: 80 (ACRES) 3% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: KLEMM MEMORIAL WOODS

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	33.3	85.2	118.6
NOT PASTURED	52.1	197.1	249.2
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	2.2	IMPROVED PASTURE (ACRES):	
52.6			
CROPS (ACRES):	2132.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 14.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 23

UNIMPROVED ROADS: 2.6 MILES

LIGHT DUTY ROADS: 8.4 MILES

SECONDARY HIGHWAYS: 2.2 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-20

COMMENTS: MEMORIAL WOODS PROTECTS UPLAND WOODS. SCATTERED NATURE OF FORESTS MEANS WILL NOT SUPPORT MANY DEER. OUTLOOK GOOD.

COUNTY: TAZEWELL

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: DELAVAN NORTH

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NE 1/4 SECT. 16, T23N, R4W DILLON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	166.2	166.2
NOT PASTURED	20.5	298.4	318.9
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	73.9	73.9
SHRUB-OLDFIELD (ACRES):	17.0	IMPROVED PASTURE (ACRES):	
48.2			
CROPS (ACRES):	1879.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 22.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 19

UNIMPROVED ROADS: 1.7 MILES

LIGHT DUTY ROADS: 6.1 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-20

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN AS FORESTS ARE NOT EXTENSIVE.

COUNTY: TAZEWELL

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: SOUTH PEKIN AND DELAVAN NORTH

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 12, T23, R5W SAND PRAIRIE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	2.7	34.8	37.5
NOT PASTURED	0.0	149.2	149.2
BOTTOMLAND FOREST:			
PASTURED	.5	17.0	17.5
NOT PASTURED	18.5	87.4	106.0
SHRUB-OLDFIELD (ACRES):	5.4	IMPROVED PASTURE (ACRES):	
37.3			
CROPS (ACRES):	2153.1		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 12.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 9

UNIMPROVED ROADS: 2.8 MILES

LIGHT DUTY ROADS: 3.2 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. SCATTERED FORESTS. OUTLOOK UNCERTAIN.

COUNTY: TAZEWELL

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: WASHINGTON AND PEORIA EAST

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 9, T26N, R3W WASHINGTON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2507 (ACRES) 98% OF TOTAL 4 SQUARE MILES

PUBLIC: 51 (ACRES) 2% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: PROVING GROUND

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	8.9	3.7	12.6
NOT PASTURED	6.2	1021.1	1027.3
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	15.6	IMPROVED PASTURE (ACRES):	
34.6			
CROPS (ACRES):	1323.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 41.2

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 167

UNIMPROVED ROADS: 2.0 MILES

LIGHT DUTY ROADS: 13.0 MILES

SECONDARY HIGHWAYS: 1.3 MILES

PRIMARY HIGHWAYS: 2.0 MILES

INTERSTATE HIGHWAYS: .6 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: CLOSE TO PEORIA URBAN AREA. OUTLOOK UNCERTAIN

COUNTY: TAZEWELL

AREA: 7

7.5 TOPOGRAPHIC QUADRANGLE: WASHINGTON AND PEORIA EAST

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 7, T26N, R3W WASHINGTON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	105.2	84.5	189.7
NOT PASTURED	23.2	198.1	221.3
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	37.5	IMPROVED PASTURE (ACRES):	
78.8			
CROPS (ACRES):	2030.6		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 17.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 26

UNIMPROVED ROADS: 1.6 MILES

LIGHT DUTY ROADS: 6.8 MILES

SECONDARY HIGHWAYS: 2.5 MILES

PRIMARY HIGHWAYS: 3.6 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: ALL PRIVATE. CLOSE TO PEORIA URBAN AREA. OUTLOOK
UNCERTAIN BUT PRIVATE COMPANY HAS EQUIPMENT PROVING GROUND
WHICH MAY RETAIN DEER HABITAT

COUNTY: TAZEWELL

AREA: 8

7.5' TOPOGRAPHIC QUADRANGLE: HOPEDALE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 28, T23N, R3W HOPEDALE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1688 (ACRES) 66% OF TOTAL 4 SQUARE MILES

PUBLIC: 870 (ACRES) 34% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: COUNTY PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	11.4	49.4	60.8
NOT PASTURED	62.7	402.4	465.1
BOTTOMLAND FOREST:			
PASTURED	0.0	13.8	13.8
NOT PASTURED	0.0	6.5	6.5

SHRUB-OLDFIELD (ACRES): 47.7 IMPROVED PASTURE (ACRES): 95.6

CROPS (ACRES): 1776.9

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 23.2

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 156

UNIMPROVED ROADS: 3.1 MILES

LIGHT DUTY ROADS: 8.9 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 2.1 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20+

COMMENTS: PARK PROTECTS SOME HABITAT. OUTLOOK GOOD.

COUNTY: WARREN

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: GREENBUSH AND ROSEVILLE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NW 1/4 SECT. 15, T8N, R2W SWAN TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	87.9	97.8	185.7
NOT PASTURED	74.8	278.4	353.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
46.2			
CROPS (ACRES):	1973.8		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 21.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 16

UNIMPROVED ROADS: 2.8 MILES

LIGHT DUTY ROADS: 6.7 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN

COUNTY: WARREN

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: ROSEVILLE AND GREENBUSH

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NE 1/4 SECT. 8, T8N, R2W SWAN TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	21.5	41.0	62.5
NOT PASTURED	76.1	299.4	375.4
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	54.8	IMPROVED PASTURE (ACRES):	
19.0			
CROPS (ACRES):	1901.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 19.2

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 14

UNIMPROVED ROADS: 2.9 MILES

LIGHT DUTY ROADS: 6.3 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. FOREST NOT EXTENSIVE BUT IS ONLY FOREST
FOR SEVERAL MILES. OUTLOOK UNCERTAIN.

COUNTY: WARREN

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: CAMERON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 19, T11N, R1W COLDBROOK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	61.0	55.1	116.1
NOT PASTURED	231.7	394.5	626.1
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	13.1	IMPROVED PASTURE (ACRES):	
75.8			
CROPS (ACRES):	1724.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 29.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 13

UNIMPROVED ROADS: 2.5 MILES

LIGHT DUTY ROADS: 7.0 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-50

COMMENTS: ALL PRIVATE. FORESTS EXTENSIVE. OUTLOOK UNCERTAIN.

COUNTY: WARREN

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: MONMOUTH

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NW 1/4 SECT. 7, T11N, R2W MONMOUTH TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	16.8	217.6	234.4
NOT PASTURED	0.0	219.8	219.8
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	11.9	11.9
SHRUB-OLDFIELD (ACRES):	54.1	IMPROVED PASTURE (ACRES):	
175.9			
CROPS (ACRES):	1749.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 20.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 30

UNIMPROVED ROADS: 3.5 MILES

LIGHT DUTY ROADS: 8.4 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 2.2 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE AND WITHIN 1 1/2 MILES OF THE CITY
MONMOUTH. OUTLOOK UNCERTAIN

COUNTY: WARREN

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: ROSEVILLE AND RARITAN

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
E 1/2 SECT. 29, T9N, R3W ELLISON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	8.6	78.5	87.2
NOT PASTURED	60.0	459.7	519.7
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	57.8	IMPROVED PASTURE (ACRES):	
48.4			
CROPS (ACRES):	1845.8		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 26.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 14
UNIMPROVED ROADS: 1.4 MILES
LIGHT DUTY ROADS: 3.4 MILES
SECONDARY HIGHWAYS: 2.1 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-50

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN

COUNTY: WARREN

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: GALESBURG WEST AND CAMMERON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 21, T11N, R1W COLBROOK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	100.3	200.8	301.1
NOT PASTURED	120.8	298.1	418.9
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	6.7	6.7
SHRUB-OLDFIELD (ACRES):	50.1	IMPROVED PASTURE (ACRES):	
52.6			
CROPS (ACRES):	1571.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 30.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 35

UNIMPROVED ROADS: 1.9 MILES

LIGHT DUTY ROADS: 5.1 MILES

SECONDARY HIGHWAYS: 1.9 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: WARREN

AREA: 7

7.5' TOPOGRAPHIC QUADRANGLE: NORTH HENDERSON, ALEXIS, CAMERON,
GALESBURG WEST

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NE 1/4 SECT. 27, T12N, R1W KELLY TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	4.7	307.8	312.5
NOT PASTURED	30.9	474.2	505.1
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 0.0 IMPROVED PASTURE (ACRES):
58.8
CROPS (ACRES): 1658.4

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 31.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 36

UNIMPROVED ROADS: 2.2 MILES

LIGHT DUTY ROADS: 7.7 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-25

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN DUE TO THE MONMOUTH
AREA PROXIMITY. OUTLOOK UNCERTAIN

COUNTY: WARREN

AREA: 8

7.5' TOPOGRAPHIC QUADRANGLE: ABINGTON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NE 1/4 SECT. 26, T10N, R1W FLOYD TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	11.4	496.0	507.3
BOTTOMLAND FOREST:			
PASTURED	0.0	21.7	21.7
NOT PASTURED	0.0	11.9	11.9
SHRUB-OLDFIELD (ACRES):	44.2	IMPROVED PASTURE (ACRES):	
174.9			
CROPS (ACRES):	1795.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 22.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 13

UNIMPROVED ROADS: .7 MILES

LIGHT DUTY ROADS: 3.3 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. SCATTERED FOREST. OUTLOOK UNCERTAIN.

COUNTY: WOODFORD

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: EL PASO AND SECOR

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 33, T26N, R1E PALESTINE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	33.1	0.0	33.1
NOT PASTURED	16.8	796.1	812.9
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	23.5	23.5

SHRUB-OLDFIELD (ACRES): 189.4 IMPROVED PASTURE (ACRES): 80.5

CROPS (ACRES): 1390.6

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 41.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 14

UNIMPROVED ROADS: 2.4 MILES

LIGHT DUTY ROADS: 4.5 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: WOODFORD

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: SECOR

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SW 1/4 SECT. 34, T26N, R1W OLIO TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	66.9	66.9
NOT PASTURED	0.0	599.0	599.0
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	72.6	72.6

SHRUB-OLDFIELD (ACRES): 101.3 IMPROVED PASTURE (ACRES): 22.2

CROPS (ACRES): 1654.7

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 32.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 13

UNIMPROVED ROADS: 1.5 MILES

LIGHT DUTY ROADS: 8.7 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-20

COMMENTS: ALL PRIVATE. EXTENSIVE FOREST AND SHRUB. OUTLOOK GOOD.

COUNTY: WOODFORD

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: SECOR AND EL PASO

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 18, T25N, R1E KANSAS TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	12.6	68.7	81.3
NOT PASTURED	29.4	596.0	625.4
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	114.4	IMPROVED PASTURE (ACRES):	
14.8			
CROPS (ACRES):	1603.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 32.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 18

UNIMPROVED ROADS: 2.0 MILES

LIGHT DUTY ROADS: 5.5 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: ALL PRIVATE. EXTENSIVE FOREST. OUTLOOK GOOD.

COUNTY: WOODFORD

AREA: 4

7.5 TOPOGRAPHIC QUADRANGLE: GERMANTOWN HILLS

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
E 1/2 SECT. 11, T27N, R3W WORTH TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2277 (ACRES) 89% OF TOTAL 4 SQUARE MILES
PUBLIC: 281 (ACRES) 11% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: COUNTY PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	52.1	84.2	136.3
NOT PASTURED	30.9	1177.0	1207.8
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 3.0 IMPROVED PASTURE (ACRES):
31.4
CROPS (ACRES): 1162.9

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 52.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA
NUMBER OF OCCUPIED DWELLINGS: 18
UNIMPROVED ROADS: 1.9 MILES
LIGHT DUTY ROADS: 3.7 MILES
SECONDARY HIGHWAYS: 0.0 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50+

COMMENTS: SOME PUBLIC PROTECTION. EXTENSIVE FOREST. OUTLOOK
GOOD.

COUNTY: WOODFORD

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: GERMANTOWN HILLS

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

E 1/2 SECT. 27, T28N, R3W PARTRIDGE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	3.7	8.4	12.1
NOT PASTURED	0.0	767.2	767.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 101.5 IMPROVED PASTURE (ACRES): 31.1

CROPS (ACRES): 1647.0

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 34.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 17

UNIMPROVED ROADS: 3.5 MILES

LIGHT DUTY ROADS: 7.4 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: ALL PRIVATE. EXTENSIVE FOREST. OUTLOOK GOOD.

COUNTY: WOODFORD

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: CHILLICOTHE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 14, T28N, R3W PARTRIDGE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD, (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	15.6	24.2	39.8
NOT PASTURED	5.2	964.0	969.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	69.4	IMPROVED PASTURE (ACRES):	
38.3			
CROPS (ACRES):	1441.7		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 42.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 26

UNIMPROVED ROADS: 1.6 MILES

LIGHT DUTY ROADS: 4.0 MILES

SECONDARY HIGHWAYS: 2.8 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: ALL PRIVATE. EXTENSIVE FOREST. OUTLOOK GOOD.

COUNTY: WOODFORD

AREA: 7

7.5' TOPOGRAPHIC QUADRANGLE: CHILLICOTHE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 2, T28N, R3W PARTRIDGE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	6.7	62.5	69.2
NOT PASTURED	90.4	883.5	973.9
BOTTOMLAND FOREST:	;		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	29.6	IMPROVED PASTURE (ACRES):	
32.1			
CROPS (ACRES):	1451.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 41.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 22

UNIMPROVED ROADS: .4 MILES

LIGHT DUTY ROADS: 5.3 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: ALL PRIVATE. EXTENSIVE FOREST. OUTLOOK GOOD.

REGION 4

Only Cass and the northern half of Morgan counties surveyed for deer concentrations. Deer do not exhibit winter concentration behavior in the remaining counties in Region 4.

COUNTY: CASS

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: ARENZVILLE WEST

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 10, T17N, R12W HAGENER TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	34.6	39.0	73.6
NOT PASTURED	15.8	95.1	110.9
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 58.5 IMPROVED PASTURE (ACRES):
54.1

CROPS (ACRES): 1817.2

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 9.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 13

UNIMPROVED ROADS: 4.3 MILES

LIGHT DUTY ROADS: 5.4 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: ALL PRIVATE. EXTENSIVE FORESTS. OUTLOOK UNCERTAIN.

COUNTY: CASS

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: CHANDLERSVILLE AND VIRGINIA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 24, T18N, R10W SANGAMON VALLEY TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2353 (ACRES) 92% OF TOTAL 4 SQUARE MILES

PUBLIC: 205 (ACRES) 8% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: PANTHER CREEK CONSER. AREA

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	65.5	103.7	169.2
NOT PASTURED	173.1	380.1	553.3
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 118.6 IMPROVED PASTURE (ACRES):
61.8

CROPS (ACRES): 1653.9

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 32.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 10

UNIMPROVED ROADS: 4.4 MILES

LIGHT DUTY ROADS: 4.0 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-50

COMMENTS: PUBLIC AREA IS HUNTED BY GUN AND ARCHERY HUNTERS.
FORESTS EXTENSIVE. OUTLOOK GOOD.

COUNTY: CASS

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: CHANDLERSVILLE AND VIRGINIA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 15, T18N, R10W SANGAMON VALLEY TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	118.6	19.0	137.6
NOT PASTURED	234.9	424.3	659.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	75.3	IMPROVED PASTURE (ACRES):	
145.7			
CROPS (ACRES):	1541.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 34.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 10

UNIMPROVED ROADS: .9 MILES

LIGHT DUTY ROADS: 0.0 MILES

SECONDARY HIGHWAYS: 2.7 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: ALL PRIVATE. EXTENSIVE FOREST. OUTLOOK GOOD

COUNTY: CASS

AREA: 4

7.5 TOPOGRAPHIC QUADRANGLE: NEWMANSVILLE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 36, T19N, R9W PANTHER CREEK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	92.9	50.9	143.8
NOT PASTURED	89.4	216.1	305.5
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 207.7 IMPROVED PASTURE (ACRES): 43.5

CROPS (ACRES): 1852.5

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 25.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 18

UNIMPROVED ROADS: 9.5 MILES

LIGHT DUTY ROADS: 3.2 MILES

SECONDARY HIGHWAYS: 2.5 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-25

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: CASS

AREA: 15

7.5' TOPOGRAPHIC QUADRANGLE:
ASHLAND, NEWMANSVILLE, CHANDLERVILLE, VIRGINIA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
S 1/2 SECT. 21, T18N, R9W PANTHER CREEK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	278.4	23.0	301.3
NOT PASTURED	51.9	190.4	242.3
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	96.3	IMPROVED PASTURE (ACRES):	
171.2			
CROPS (ACRES):	1747.8		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 25.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS:	3
UNIMPROVED ROADS:	3.7 MILES
LIGHT DUTY ROADS:	1.7 MILES
SECONDARY HIGHWAYS:	0.0 MILES
PRIMARY HIGHWAYS:	0.0 MILES
INTERSTATE HIGHWAYS:	0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: ALL PRIVATE. MANY FORESTS PASTURED. OUTLOOK UNCERTAIN.

COUNTY: CASS

AREA: 6

7.5 TOPOGRAPHIC QUADRANGLE: ARENZVILLE EAST

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NW 1/4 SECT. 34, T18N, R11W BLUFF SPRING TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	114.9	131.2	246.0
NOT PASTURED	85.2	361.9	447.1
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 52.1 IMPROVED PASTURE (ACRES):
123.5
CROPS (ACRES): 1682.1

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 29.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 26

UNIMPROVED ROADS: 7.4 MILES

LIGHT DUTY ROADS: 8.1 MILES

SECONDARY HIGHWAYS: 4960.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: ALL PRIVATE. EXTENSIVE FOREST. OUTLOOK GOOD.

COUNTY: CASS

AREA: 7

7.5' TOPOGRAPHIC QUADRANGLE: ARENZVILLE EAST

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NW 1/4 SECT. 20, T17N, R11W ARENZVILLE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	39.8	55.6	95.3
NOT PASTURED	88.4	400.9	489.3
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 81.5 IMPROVED PASTURE (ACRES): 59.3

CROPS (ACRES): 1774.2

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 26.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 25

UNIMPROVED ROADS: 12.3 MILES

LIGHT DUTY ROADS: 6.4 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: ALL PRIVATE. EXTENSIVE FORESTS. OUTLOOK GOOD.

COUNTY: CASS

AREA: 8

7.5' TOPOGRAPHIC QUADRANGLE: ARENZVILLE EAST, CLEAR LAKE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 14, T18N, R11W BLUFF SPRINGS TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	123.3	91.9	215.1
NOT PASTURED	268.2	381.4	649.6
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 79.3 IMPROVED PASTURE (ACRES):
56.8
CROPS (ACRES): 1558.1

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 36.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 8

UNIMPROVED ROADS: 1.6 MILES

LIGHT DUTY ROADS: 6.3 MILES

SECONDARY HIGHWAYS: .5 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: ALL PRIVATE. FORESTS EXTENSIVE. OUTLOOK GOOD.

COUNTY: CASS

AREA: 9

7.5' TOPOGRAPHIC QUADRANGLE: COOPERSTOWN AND MEREDOSIA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 33, T17N, R2W HAGENER TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1535 (ACRES) 60% OF TOTAL 4 SQUARE MILES

PUBLIC: 1023 (ACRES) 40% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: MEREDOSIA NATIONAL WILDLIFE REFUGE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	8.9	8.9
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	25.2	719.5	744.7
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
0.0			
CROPS (ACRES):	1049.8		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 608.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 4

UNIMPROVED ROADS: 7.4 MILES

LIGHT DUTY ROADS: 0.0 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50+

COMMENTS: REFUGE PROTECTS FOREST BUT MOST FOREST SUBJECT TO FLOODS. UPLAND FOREST SCARCE SO DEER MAY HAVE DIFFICULTY LOCATING REFUGE FROM FLOODS. OUTLOOK GOOD IF REFUGE IS NOT DEVELOPED.

COUNTY: CASS

AREA: 10

7.5' TOPOGRAPHIC QUADRANGLE: CLEAR LAKE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SW 1/4 SECT. 15, T19N, R11W LYNCHBURG TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 588 (ACRES) 23% OF TOTAL 4 SQUARE MILES

PUBLIC: 1970 (ACRES) 77% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: SANGANOIS STATE CONSERV. AREA

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	170.4	0.0	170.4
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	927.5	1279.7	2207.2
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
0.0			
CROPS (ACRES):	75.1		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 92.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 2

UNIMPROVED ROADS: 1.4 MILES

LIGHT DUTY ROADS: 0.0 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50-100

COMMENTS: MOSTLY PUBLIC BOTTOM FOREST. FREQUENTLY FLOODS SO DEER
NEED PRIVATE UPLANDS TO ESCAPE FLOODS . AREA NOT HUNTED FOR
DEER. OUTLOOK GOOD.

COUNTY: MORGAN

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: LYNNVILLE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NW 1/4 SECT. 15, T14N, R11W ROAD DISTRICT 6

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	26.7	57.1	83.7
NOT PASTURED	52.6	441.4	494.0
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	62.7	IMPROVED PASTURE (ACRES):	
86.0			
CROPS (ACRES):	1894.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 25.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 25

UNIMPROVED ROADS: 2.9 MILES

LIGHT DUTY ROADS: 8.1 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20+

COMMENTS: ALL PRIVATE. EXTENSIVE FOREST. OUTLOOK GOOD.

COUNTY: MORGAN

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: CONCORD

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NE 1/4 SECT. 11, T16N, R11W ROAD DISTRICT 3

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	68.2	41.2	109.4
NOT PASTURED	140.0	320.4	460.4

BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 120.8 IMPROVED PASTURE (ACRES): 70.1

CROPS (ACRES): 762.0

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 27.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 16

UNIMPROVED ROADS: 1.6 MILES

LIGHT DUTY ROADS: 6.4 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: MORGAN

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: CONCORD

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NE 1/4 SECT. 27, T16N, R11W ROAD DISTRICT 3

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	36.3	165.7	202.0
NOT PASTURED	66.4	364.3	430.8
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	40.8	IMPROVED PASTURE (ACRES):	
99.8			
CROPS (ACRES):	1782.8		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 26.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 12

UNIMPROVED ROADS: 2.3 MILES

LIGHT DUTY ROADS: 8.6 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: MORGAN

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: CONCORD

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
S 1/2 SECT. 3, T15N, R11W ROAD DISTRICT 6

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	68.2	153.6	221.8
NOT PASTURED	68.4	444.8	513.3
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	55.3	IMPROVED PASTURE (ACRES):	
97.1			
CROPS (ACRES):	1662.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 30.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 83

UNIMPROVED ROADS: 1.4 MILES

LIGHT DUTY ROADS: 12.3 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. HIGH HUMAN DENSITY. OUTLOOK UNCERTAIN.

COUNTY: MORGAN

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE:

LITERBERRY

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 21, T16N, R10W, ROAD DISTRICT 2

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	75.6	102.5	178.1
NOT PASTURED	40.0	227.5	267.5

BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 55.1 IMPROVED PASTURE (ACRES): 85.5

CROPS (ACRES): 1970.3

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 19.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 36

UNIMPROVED ROADS: 3.8 MILES

LIGHT DUTY ROADS: 7.5 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-20

COMMENTS: ALL PRIVATE. MODERATE HUMAN DENSITY. OUTLOOK UNCERTAIN.

COUNTY: MORGAN

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: PRENTICE AND LITERBERRY

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 16, T16N, R9W ROAD DISTRICT 1

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	44.5	78.1	122.5
NOT PASTURED	101.8	343.3	445.1
BOTTOMLAND FOREST:	;		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	4.7	IMPROVED PASTURE (ACRES):	
64.2			
CROPS (ACRES):	1921.7		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 22.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 13

UNIMPROVED ROADS: 1.0 MILES

LIGHT DUTY ROADS: 6.6 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-25

COMMENTS: ALL PRIVATE. FORESTS SCATTERED. OUTLOOK UNCERTAIN.

REGION 5

All counties in the region surveyed for winter deer concentrations.

COUNTY: CHAMPAIGN

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: MAHOMET AND RISING

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NW 1/4 SECT. 2, T20N, R7E MAHOMET TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2353 (ACRES) 92% OF TOTAL 4 SQUARE MILES

PUBLIC: 205 (ACRES) 8% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: LAKE OF WOODS FOREST PRESERVE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	20.3	36.1	56.3
NOT PASTURED	219.8	29.6	249.5
BOTTOMLAND FOREST:	?		
PASTURED	0.0	10.6	10.6
NOT PASTURED	0.0	25.4	25.4
SHRUB-OLDFIELD (ACRES):	92.1	IMPROVED PASTURE (ACRES):	
126.5			
CROPS (ACRES):	1998.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 17.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 101

UNIMPROVED ROADS: .9 MILES

LIGHT DUTY ROADS: 15.1 MILES

SECONDARY HIGHWAYS: 2.4 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 40-60

COMMENTS: BEST DEER AREA NORTH OF FOREST PRESERVE. THIS AREA NOW IN HANDS OF DEVELOPER AND FOREST CLEARING HAS BEGUN. OUTLOOK POOR BECAUSE PUBLIC FOREST MOSTLY BOTTOMS SUBJECT TO FLOODS.

COUNTY: CHAMPAIGN

AREA: 2

7.5 TOPOGRAPHIC QUADRANGLE: ST JOSEPH AND HOMER

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 31, T19N, R11E OGDEN TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1893 (ACRES) 74% OF TOTAL 4 SQUARE MILES

PUBLIC: 665 (ACRES) 26% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: HOMER LAKE FOREST PRESERVE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	7.4	17.3	24.7
NOT PASTURED	256.9	46.9	303.8
BOTTOMLAND FOREST:	?		
PASTURED	0.0	12.4	12.4
NOT PASTURED	66.7	143.3	210.0

SHRUB-OLDFIELD (ACRES): 138.3 IMPROVED PASTURE (ACRES): 123.5

CROPS (ACRES): 1746.3

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 26.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 27

UNIMPROVED ROADS: 1.3 MILES

LIGHT DUTY ROADS: 8.8 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: PUBLIC LAND PROTECTS HABITAT. AREA NOT HUNTED. OUTLOOK GOOD.

COUNTY: CHAMPAIGN

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: RANKIN

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 6, T22N, R14W KERR TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1330 (ACRES) 52% OF TOTAL 4 SQUARE MILES

PUBLIC: 1228 (ACRES) 48% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: CHAMPAIGN COUNTY FOREST PRESERVE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	31.9	31.9
NOT PASTURED	251.7	53.4	305.0
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	42.0	6.4	48.4

SHRUB-OLDFIELD (ACRES): 195.1 IMPROVED PASTURE (ACRES): 95.6

CROPS (ACRES): 1881

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 22.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 7

UNIMPROVED ROADS: 1.9 MILES

LIGHT DUTY ROADS: 3.7 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 40-60

COMMENTS: PUBLIC LANDS PROTECT HABITAT BUT DEVELOPMENT COULD DESTROY SOME OF THE HABITAT . OUTLOOK GOOD.

COUNTY: CHAMPAIGN

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: THOMASBORO

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SW 1/4 SECT. 1, T19N, R9E URBANA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2279 (ACRES) 89% OF TOTAL 4 SQUARE MILES

PUBLIC: 279 (ACRES) 11% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: U. OF ILLINOIS

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	2.5	46.9	49.4
NOT PASTURED	2.5	88.7	91.1
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLD FIELD (ACRES): 187.7 IMPROVED PASTURE (ACRES): 46.9

CROPS: 2171.1

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 12.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 55

UNIMPROVED ROADS: 0.0 MILES

LIGHT DUTY ROADS: 6.0 MILES

SECONDARY ROADS : 0.0 MILES

PRIMARY HIGHWAYS : 0.0 MILES

INTERSTATE HIGHWAYS: 2.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: PRINCIPAL FOREST AREA A REFUGE. CLOSE TO CITY OF URBANA AND SURROUNDED BY URBAN LAND USE. WILL ALWAYS SHELTER ONLY A FEW DEER IN WINTER.

COUNTY: CHAMPAIGN

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: THOMASBORD

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SW 1/4 SECT. 1, T19N, R9E URBANA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2279 (ACRES) 89% OF TOTAL 4 SQUARE MILES

PUBLIC: 279 (ACRES) 11% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: U. OF ILLINOIS

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	2.5	46.9	49.4
NOT PASTURED	2.5	88.7	91.1
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLD FIELD (ACRES):187.7 IMPROVED PASTURE (ACRES): 46.9

CROPS: 2171.1

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 12.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS:55

UNIMPROVED ROADS: 0.0 MILES

LIGHT DUTY ROADS: 6.0 MILES

SECONDARY ROADS : 0.0 MILES

PRIMARY HIGHWAYS : 0.0 MILES

INTERSTATE HIGHWAYS: 2.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: PRINCIPAL FOREST AREA A REFUGE. CLOSE TO CITY OF URBANA AND SURROUNDED BY URBAN LAND USE. WILL ALWAYS SHELTER ONLY A FEW DEER IN WINTER.

COUNTY: CHRISTIAN

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: EDINBURG

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NW 1/4 SEC1.30, T13N, R4W SOUTH FORK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1616 (ACRES) 63% OF TOTAL 4 SQUARE MILES

PUBLIC: 942 (ACRES) 37% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: SANGCHRIS LAKE STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	39.0	24.5	63.5
NOT PASTURED	83.0	72.4	155.4
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	11.1	9.6	20.7

SHRUB-OLDFIELD (ACRES): 490.0 IMPROVED PASTURE (ACRES): 33.8

CROPS (ACRES): 958.4

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 28.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 4

UNIMPROVED ROADS: 1.4 MILES

LIGHT DUTY ROADS: 5.8 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 2.9 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 100+

COMMENTS : PROTECTED HABITAT AND REFUGE HAS RESULTED IN LARGE INCREASE IN DEER HERD AND HIGHER LEGAL GUN AND ARCHER KILLS. OUTLOOK GOOD.

COUNTY: CHRISTIAN

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: KINCAID

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
SE 1/4 SECT. 4, T12N, R2W JOHNSON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	21.0	47.9	68.9
NOT PASTURED	9.9	191.4	201.3
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	41.5	129.4	170.9
SHRUB-OLDFIELD (ACRES):	28.2	IMPROVED PASTURE (ACRES):	
113.4			
CROPS (ACRES):	1976.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 18.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 28

UNIMPROVED ROADS: 2.2 MILES

LIGHT DUTY ROADS: 4.5 MILES

SECONDARY HIGHWAYS: 2.6 MILES

PRIMARY HIGHWAYS: 2.2 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: ALL PRIVATE BUT UPLAND FOREST REFUGE. OUTLOOK
UNCERTAIN.

COUNTY: DEWITT

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: DEWITT

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 34, T20N, R3E HARP TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1739 (ACRES) 68% OF TOTAL 4 SQUARE MILES

PUBLIC: 819 (ACRES) 32% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: CLINTON LAKE F&W AREA

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	207.5	227.2	434.7
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 343.3 IMPROVED PASTURE (ACRES): 42.0

CROPS (ACRES): 1128.8

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 30.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 0

UNIMPROVED ROADS: 0.0 MILES

LIGHT DUTY ROADS: 4.3 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: CLINTON LAKE PROTECTS HABITAT. ARCHERY HUNTING ONLY.
OUTLOOK GOOD IF LAKE SHORE IS NOT HEAVILY DEVELOPED.

COUNTY: DEWITT

AREA: 2

7.5 TOPOGRAPHIC QUADRANGLE: DEWITT

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 11, T20N, R3E HARP TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	207.2	227.7	435.0
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 344.3 IMPROVED PASTURE (ACRES): 42.7

CROPS (ACRES): 1126.3

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 30.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 0

UNIMPROVED ROADS: 0.0 MILES

LIGHT DUTY ROADS: 4.5 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50-60

COMMENTS: THIS AREA IS ON THE PENINSULA CLOSE TO THE NUCLEAR REACTOR. UNLIKELY TO EVER BE DEVELOPED . OUTLOOK GOOD

COUNTY: DEWITT

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: MAROA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 14, T19N, R2E TEXAS TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2507 (ACRES) 98% OF TOTAL 4 SQUARE MILES

PUBLIC: 51 (ACRES) 2% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: WELDON SPRINGS STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	39.3	54.1	93.4
NOT PASTURED	259.4	271.9	531.3
BOTTOMLAND FOREST:	;		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	164.3	164.3

SHRUB-OLDFIELD (ACRES): 74.6 IMPROVED PASTURE (ACRES): 79.0

CROPS (ACRES): 1457.1

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 33.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 12

UNIMPROVED ROADS: 1.7 MILES

LIGHT DUTY ROADS: 2.4 MILES

SECONDARY HIGHWAYS: 1.6 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-25

COMMENTS: MOST FOREST PRIVATELY OWNED. STATE PARK SERVES AS REFUGE DURING GUN SEASON. OUTLOOK UNCERTAIN FOR PRIVATE LANDS BECAUSE NEW RT 51 CROSSES AREA AND CITY OF CLINTON CLOSE BY.

COUNTY: DEWITT

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: DEWITT

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 36, T21N, R3E WILSON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2379 (ACRES) 93% OF TOTAL 4 SQUARE MILES

PUBLIC: 179 (ACRES) 7% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: CLINTON LAKE F&W AREA

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	58.5	122.5	181.1
NOT PASTURED	32.9	319.9	352.7
BOTTOMLAND FOREST:	;		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 233.9 IMPROVED PASTURE (ACRES):
102.5

CROPS (ACRES): 1664.8

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 30.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 18

UNIMPROVED ROADS: .6 MILES

LIGHT DUTY ROADS: 0.0 MILES

SECONDARY HIGHWAYS: 2.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-25

COMMENTS: CLINTON LAKE PROTECTS SOME HABITAT BUT ALL SITES
VULNERABLE TO DEVELOPMENT BECAUSE OF RECREATIONAL VALUE OF LAKE.
OUTLOOK UNCERTAIN.

COUNTY: LOGAN

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: BROADWELL

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 18, T18N, R3W ELKHART TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	14.1	155.4	169.4
NOT PASTURED	6.4	261.6	268.0
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
1.2			
CROPS (ACRES):	1869.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 17.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 193

UNIMPROVED ROADS: 4.0 MILES

LIGHT DUTY ROADS: 12.7 MILES

SECONDARY HIGHWAYS: 3.5 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. CLOSE TO VILLAGE OF ELKHART. A SINGLE FOREST OWNED BY 1 FAMILY. OUTLOOK UNCERTAIN IF LAND SOLD.

COUNTY: LOGAN

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: MIDDLETOWN

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SW 1/4 SECT. 15, T19N, R4W CORWIN TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	40.3	93.9	134.1
NOT PASTURED	39.3	527.6	566.9
BOTTOMLAND FOREST:	?		
PASTURED	0.0	3.7	3.7
NOT PASTURED	2.2	110.9	113.1
SHRUB-OLDFIELD (ACRES):	25.9	IMPROVED PASTURE (ACRES):	
33.1			
CROPS (ACRES):	1678.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 33.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 7

UNIMPROVED ROADS: .9 MILES

LIGHT DUTY ROADS: 5.4 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. CONSIDERABLE FOREST IN CONCENTRATION AREA
BUT VERY LITTLE DEER HABITAT AVAILABLE CLOSE TO THE AREA.
OUTLOOK UNCERTAIN.

COUNTY: LOGAN

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: ARMINGTON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
S 1/2 SECT. 8, T20N, R2W EMINENCE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	93.6	62.0	155.6
NOT PASTURED	57.8	381.9	439.7
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	73.1	73.1
SHRUB-OLDFIELD (ACRES):	61.3	IMPROVED PASTURE (ACRES):	
31.4			
CROPS (ACRES):	1766.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 28.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA
NUMBER OF OCCUPIED DWELLINGS: 25
UNIMPROVED ROADS: 1.4 MILES
LIGHT DUTY ROADS: 10.4 MILES
SECONDARY HIGHWAYS: 0.0 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30+

COMMENTS: ALL PRIVATE. EXTENSIVE FOREST. OUTLOOK GOOD.

COUNTY: LOGAN

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: MT. PULASKI, BROADWELL, LINCOLN
EAST, LINCOLN WEST

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NW 1/4 SECT. 12, T19N, R3W BROADWELL TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1714 (ACRES) 67% OF TOTAL 4 SQUARE MILES

PUBLIC: 844 (ACRES) 33% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: RAILSPLITTER STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	16.5	0.0	16.5
NOT PASTURED	78.8	72.4	151.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	11.4	18.5	29.9
SHRUB-OLDFIELD (ACRES):	28.9	IMPROVED PASTURE (ACRES):	
11.4			
CROPS (ACRES):	1929.6		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 8.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 68

UNIMPROVED ROADS: 4.5 MILES

LIGHT DUTY ROADS: 9.0 MILES

SECONDARY HIGHWAYS: 1.6 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: PUBLIC PARK PROTECTS DEER HABITAT. HOWEVER AREA IS
CLOSE TO LINCOLN AND PARK HAS HIGH HUMAN USE. OUTLOOK GOOD FOR A
SMALL DEER HERD

COUNTY: MACON

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: FRIENDS CREEK

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 17, T17N, R4E WHITMORE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	128.4	81.5	210.0
NOT PASTURED	42.0	185.3	227.2
BOTTOMLAND FOREST:			
PASTURED	0.0	119.3	119.3
NOT PASTURED	76.6	74.1	150.7
SHRUB-OLDFIELD (ACRES):	49.4	IMPROVED PASTURE (ACRES):	
96.3			
CROPS (ACRES):	1689.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 29.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 14

UNIMPROVED ROADS: 4.5 MILES

LIGHT DUTY ROADS: 1.4 MILES

SECONDARY HIGHWAYS: 1.7 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: ALL PRIVATE. ONLY KNOWN AREA OF DEER CONCENTRATION IN MACON COUNTY. ONE LANDOWNER KEEPS SIGNIFICANT AREA AS REFUGE. OUTLOOK UNCERTAIN.

COUNTY: MENARD

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: OAKFORD

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 26, T19N, R8W ROAD DISTRICT 5

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	96.6	120.0	216.6
NOT PASTURED	175.1	471.5	646.6

BOTTOMLAND FOREST:

PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 63.2 IMPROVED PASTURE (ACRES): 125.5

CROPS (ACRES): 1504.5

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 36.2

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 7

UNIMPROVED ROADS: 1.7 MILES

LIGHT DUTY ROADS: 2.4 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: ALL PRIVATE. EXTENSIVE FORESTS. OUTLOOK GOOD.

COUNTY: MENARD

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: PETERSBURG

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 7, T18N, R6W ROAD DISTRICT 4

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	107.7	31.1	138.8
NOT PASTURED	233.7	233.7	467.3
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	83.0	IMPROVED PASTURE (ACRES):	
85.7			
CROPS (ACRES):	1747.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 26.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 27

UNIMPROVED ROADS: .7 MILES

LIGHT DUTY ROADS: 2.9 MILES

SECONDARY HIGHWAYS: 4.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-25

COMMENTS: PRIVATE. WITHIN 1 MILE OF PETERSBURG. OUTLOOK
UNCERTAIN.

COUNTY: MENARD

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: SALISBURY

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
E 1/2 SECT. 6, T17N, R6W ROAD DISTRICT 9

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	37.1	11.4	48.4
NOT PASTURED	338.1	270.2	608.4
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	6.4	6.4
SHRUB-OLDFIELD (ACRES):	81.5	IMPROVED PASTURE (ACRES):	
134.4			
CROPS (ACRES):	1676.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 29.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 10

UNIMPROVED ROADS: 1.6 MILES

LIGHT DUTY ROADS: 6.4 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20+

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: MENARD

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: SALISBURY AND ATHENS

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 34, T18N, R6W ROAD DISTRICT 4

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	106.5	108.4	214.9
NOT PASTURED	159.1	252.2	411.3

BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	68.4	68.4

SHRUB-OLDFIELD (ACRES): 25.7 IMPROVED PASTURE (ACRES): 56.3

CROPS (ACRES): 1738.1

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 28.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 65

UNIMPROVED ROADS: 1.6 MILES

LIGHT DUTY ROADS: 6.6 MILES

SECONDARY HIGHWAYS: 1.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: ALL PRIVATE. MODERATE HUMAN DENSITY. OUTLOOK UNCERTAIN.

TYPE.TAB

COUNTY: MENARD

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: BIGGS, OAKFORD, EASTON, PETERSBURG

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 3, T19, R7W ROAD DISTRICT 5

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	16.5	5.2	21.7
NOT PASTURED	60.5	145.7	206.2
BOTTOMLAND FOREST:			
PASTURED	0.0	20.3	20.3
NOT PASTURED	6.4	156.8	163.3
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
5.9			
CROPS (ACRES):	2043.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 16.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 11

UNIMPROVED ROADS: 2.8 MILES

LIGHT DUTY ROADS: 2.2 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. NEAR EVEN MIX OF UPLAND AND BOTTOM FORESTS. OUTLOOK UNCERTAIN AS RIVER IS LEVEED SO FOREST COULD BE CLEARED FOR AGRICULTURE.

COUNTY: MOULTRIE

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: SULLIVAN

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 16, T13N, R6E EAST NELSON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1074 (ACRES) 42% OF TOTAL 4 SQUARE MILES

PUBLIC: 1484 (ACRES) 58% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: KASKASKIA RIVER STATE F&W AREA

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	13.8	33.8	47.7
NOT PASTURED	62.0	129.9	191.9
BOTTOMLAND FOREST:			
PASTURED	9.4	0.0	9.4
NOT PASTURED	8.2	123.3	131.4
SHRUB-OLDFIELD (ACRES):	56.6	IMPROVED PASTURE (ACRES):	
44.2			
CROPS (ACRES):	1706.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 17.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 67

UNIMPROVED ROADS: .4 MILES

LIGHT DUTY ROADS: 12.2 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: HABITAT PROTECTED BY STATE AREA. AREA HUNTED BY GUN
AND ARCHERS. OUTLOOK GOOD.

COUNTY: MOULTRIE

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: LOVINGTON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
SE 1/4 SECT. 29, T15N, R5E LOVINGTON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	41.7	70.1	111.9
NOT PASTURED	47.2	132.4	179.6
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	48.4	48.4
SHRUB-OLDFIELD (ACRES):	19.8	IMPROVED PASTURE (ACRES):	
19.5			
CROPS (ACRES):	2159.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 14.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 19

UNIMPROVED ROADS: 1.8 MILES

LIGHT DUTY ROADS: 9.9 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. WITHIN 1 MILE OF VILLAGE OF LOVINGTON.
FOREST COVER LIMITED . OUTLOOK UNCERTAIN.

COUNTY: MOULTRIE

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: KIRKSVILLE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 19, T13N, R4E SULLIVAN TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2225 (ACRES) 87% OF TOTAL 4 SQUARE MILES

PUBLIC: 333 (ACRES) 13% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: US CORP ENGINEERS

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	20.5	64.2	84.7
NOT PASTURED	58.0	386.6	444.6

BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 83.0 IMPROVED PASTURE (ACRES): 0.0

CROPS (ACRES): 1561.0

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 23.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 47

UNIMPROVED ROADS: 1.1 MILES

LIGHT DUTY ROADS: 10.3 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: FOREST PROTECTED BY PUBLIC LAND. SOME OLD FIELD HABITAT CHANGING TO FOREST. OUTLOOK GOOD

COUNTY: MOULTRIE

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: KIRKSVILLE AND LOVINGTON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 31, T14N, R5E SULLIVAN TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1381 (ACRES) 54% OF TOTAL 4 SQUARE MILES

PUBLIC: 1177 (ACRES) 46% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: WEST OKAW RIVER STATE F&W AREA

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	24.7	42.2	66.9
NOT PASTURED	64.5	251.2	315.7

BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 20.5 IMPROVED PASTURE (ACRES): 8.4

CROPS (ACRES): 1950.8

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 15.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 38

UNIMPROVED ROADS: 4.9 MILES

LIGHT DUTY ROADS: 10.4 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: PUBLIC LAND PROTECTS HABITAT. OUTLOOK GOOD.

COUNTY: PIATT

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: WELDON EAST. BEMENT, MONTICELLO,
CERRO GORDO

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
E 1/2 SECT. 21, T18N, R5E WILLOW BRANCH TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1634 (ACRES) 64% OF TOTAL 4 SQUARE MILES
PUBLIC: 924 (ACRES) 36% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: U. OF ILLINOIS

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	4.9	4.9	9.9
NOT PASTURED	358.2	244.5	602.7
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	101.3	219.8	321.1

SHRUB-OLD FIELD (ACRES): 32.1 IMPROVED PASTURE (ACRES): 135.9

CROPS: 1435

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 37.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 8
UNIMPROVED ROADS: 3.8 MILES
LIGHT DUTY ROADS: 3.0 MILES
SECONDARY ROADS : 0.0 MILES
PRIMARY HIGHWAYS : 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 150+

COMMENTS: MAJOR CONCENTRATION SITE FOR PIATT, NORTH MACON, AND
EASTERN CHAMPAIGN COUNTIES. NOT HUNTED. OUTLOOK GOOD.

COUNTY: PIATT

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: MONTICELLO

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 31, T19N, R6E SANGAMON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2328 (ACRES) 91% OF TOTAL 4 SQUARE MILES

PUBLIC: 230 (ACRES) 9% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: PIATT COUNTY FOREST PRESERVE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	39.5	46.9	86.5
NOT PASTURED	91.4	44.5	135.9
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	54.3	205.0	259.4
SHRUB-OLDFIELD (ACRES):	4.9	IMPROVED PASTURE (ACRES):	
22.2			
CROPS (ACRES):	2030.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 19.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 32

UNIMPROVED ROADS: 1.7 MILES

LIGHT DUTY ROADS: 9.6 MILES

SECONDARY HIGHWAYS: .4 MILES

PRIMARY HIGHWAYS: 1.5 MILES

INTERSTATE HIGHWAYS: 2.4 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: COUNTY PARK PROTECTS BEST UPLAND FOREST. AREA CROSSED BY I-72 WHICH INCREASES DEER MORTALITY. OUTLOOK GOOD.

COUNTY: PIATT

AREA: 3

7.5 TOPOGRAPHIC QUADRANGLE: SEYMOUR, MAHOMET

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NW 1/4 SECT.12, T19N, R 6E SANGAMON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE
MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE
MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	< 50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	64.0	8.2	72.2
NOT PASTURED	93.6	107.0	200.6
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	32.6	217.1	249.7

SHRUB-OLD FIELD: 8.4 IMPROVED PASTURE(ACRES): 122.8

CROPS (ACRES): 1894

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 20.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 24

UNIMPROVED ROADS: 2.7 MILES

LIGHT DUTY ROADS: 9.1 MILES

SECONDARY ROADS: 0.0 MILES

PRIMARY ROADS: 0.0 MILES

INTERSTATE ROADS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-25

COMMENTS: AREA CLOSE TO INTERSTATE BUT AS NO HABITAT SOUTH OF
INTERSTATE DEER RARELY CROSS. SOME REFUGE PRESENT BUT ALL
PRIVATE OWNERSHIP. OUTLOOK UNCERTAIN.

Q

COUNTY: SANGAMON

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: ATHENS, SPRINGFIELD WEST AND EAST,
WILLIAMSVILLE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 3, T16N, R5W SPRINGFIELD TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1662 (ACRES) 65% OF TOTAL 4 SQUARE MILES

PUBLIC: 896 (ACRES) 35% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: SPRINGFIELD CITY PARKS

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	42.2	21.5	63.7
NOT PASTURED	13.8	120.0	133.9
BOTTOMLAND FOREST:			
PASTURED	10.6	22.0	32.6
NOT PASTURED	48.4	626.1	674.6
SHRUB-OLDFIELD (ACRES):	6.9	IMPROVED PASTURE (ACRES):	
0.0			
CROPS (ACRES):	1498.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 35.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 70

UNIMPROVED ROADS: 0.0 MILES

LIGHT DUTY ROADS: 4.9 MILES

SECONDARY HIGHWAYS: .9 MILES

PRIMARY HIGHWAYS: .2 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: MUCH OF HABITAT BOTTOMLAND FOREST. HIGH HUMAN USE.
HABITAT PROTECTED BY PARKS. OUTLOOK GOOD IF UPLAND FORESTS
RETAINED AND NOT DEVELOPED OR DESTROYED.

COUNTY: SANGAMON

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: MECHANICSBURG AND SPRINGFIELD EAST

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 26, T16N, R4W CLEAR LAKE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	36.1	91.9	127.9
NOT PASTURED	81.0	200.6	281.6
BOTTOMLAND FOREST:			
PASTURED	0.0	27.4	27.4
NOT PASTURED	40.3	257.4	297.6

SHRUB-OLDFIELD (ACRES): 0.0 IMPROVED PASTURE (ACRES): 31.6

CROPS (ACRES): 1707.0

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 28.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 121

UNIMPROVED ROADS: 5.9 MILES

LIGHT DUTY ROADS: 1.4 MILES

SECONDARY HIGHWAYS: 2.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: HIGH HUMAN DENSITY MEANS FOREST LIKELY TO BE DEVELOPED AS HOUSE LOTS ETC. OUTLOOK POOR BECAUSE AREA IS WITHIN 5 MILES OF SPRINGFIELD

COUNTY: SANGAMON

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: SALISBURY AND FARMINGDALE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NE 1/4 SECT. 33, T17N, R6W SALISBURY TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	94.4	57.8	152.2
NOT PASTURED	26.4	332.7	359.1
BOTTOMLAND FOREST:			
PASTURED	13.6	10.4	24.0
NOT PASTURED	0.0	8.2	8.2

SHRUB-OLDFIELD (ACRES): 137.1 IMPROVED PASTURE (ACRES): 97.6

CROPS (ACRES): 1755.7

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 26.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 24

UNIMPROVED ROADS: 1.0 MILES

LIGHT DUTY ROADS: 4.1 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN

COUNTYSANGAMON

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: FARMINGDALE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NE 1/4 SECT. 35, T16N, R7W CARTWRIGHT TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	3.5	0.0	3.5
NOT PASTURED	20.0	258.4	278.4
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	7.4	IMPROVED PASTURE (ACRES):	
12.4			
CROPS (ACRES):	2252.6		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 493.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 0

UNIMPROVED ROADS: 1.4 MILES

LIGHT DUTY ROADS: 1.6 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. FOREST IN 2 LARGE BLOCKS. OUTLOOK
UNCERTAIN.

COUNTY: SANGAMON

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: SALISBURY AND FARMINGDALE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 31, T17N, R6W CARTWRIGHT TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	32.4	103.7	136.1
NOT PASTURED	18.3	226.3	244.5
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	49.2	IMPROVED PASTURE (ACRES):	
42.7			
CROPS (ACRES):	2086.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 16.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 14

UNIMPROVED ROADS: .5 MILES

LIGHT DUTY ROADS: 5.0 MILES

SECONDARY HIGHWAYS: 2.1 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 5-10

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

REGION 6

Only Coles, Douglas, Edgar, and Vermilion counties surveyed for winter deer concentrations. Remaining counties well forested and deer do not concentrate together in winter during most years.

COUNTY: COLES

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: ASHMORE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 11, T13N, R10E EAST OAKLAND TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	29.9	0.0	29.9
NOT PASTURED	41.5	852.9	894.4
BOTTOMLAND FOREST:	;		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	52.4	52.4
SHRUB-OLDFIELD (ACRES):	46.4	IMPROVED PASTURE (ACRES):	
26.9			
CROPS (ACRES):	1439.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 40.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 18

UNIMPROVED ROADS: 2.0 MILES

LIGHT DUTY ROADS: 2.8 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: ALL PRIVATE. EXTENSIVE FOREST. OUTLOOK GOOD.

COUNTY: COLES

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: WESTFIELD WEST

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
N 1/2 SECT. 20, T12N, R10E HUTTON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE
AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	37.8	50.9	88.7
NOT PASTURED	63.0	706.2	769.2
BOTTOMLAND FOREST:			
PASTURED	0.0	11.1	11.1
NOT PASTURED	0.0	42.5	42.5
SHRUB-OLDFIELD (ACRES):	78.3	IMPROVED PASTURE (ACRES):	
49.6			
CROPS (ACRES):	1519.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 38.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA
NUMBER OF OCCUPIED DWELLINGS: 33
UNIMPROVED ROADS: 2.5 MILES
LIGHT DUTY ROADS: 4.5 MILES
SECONDARY HIGHWAYS: 0.0 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: ALL PRIVATE. WITHIN 2 MILES OF CHARLESTON. OUTLOOK
UNCERTAIN.

COUNTY: COLES

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: WESTFIELD WEST AND ASHMORE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 9, T12N, R9E ASHMORE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	31.9	84.0	115.8
NOT PASTURED	23.0	515.0	538.0
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	37.1	37.1

SHRUB-OLDFIELD (ACRES): 83.0 IMPROVED PASTURE (ACRES): 21.2

CROPS (ACRES): 1634.2

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 30.2

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 55

UNIMPROVED ROADS: 3.2 MILES

LIGHT DUTY ROADS: 9.4 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20+

COMMENTS: ALL PRIVATE. MODERATE HUMAN DENSITY. WITHIN 2 MILES OF CHARLESTON. OUTLOOK UNCERTAIN.

COUNTY: COLES

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: CHARLESTON SOUTH

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 36, T11N, R9E CHARLESTON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	22.0	43.5	65.5
NOT PASTURED	36.3	1129.5	1165.8
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	2.5	89.7	92.1
SHRUB-OLDFIELD (ACRES):	23.2	IMPROVED PASTURE (ACRES):	
22.5			
CROPS (ACRES):	1202.1		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 52.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 103

UNIMPROVED ROADS: 0.0 MILES

LIGHT DUTY ROADS: 4.7 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-25

COMMENTS: ALL PRIVATE. WITHIN 1 MILE OF CHARLESTON. OUTLOOK
UNCERTAIN ALTHOUGH AREA EXTENSIVELY FORESTED.

COUNTY: COLES

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: CHARLESTON SOUTH

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

E 1/2 SECT. 11, T11N, R10E HUTTON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2021 (ACRES) 79% OF TOTAL 4 SQUARE MILES

PUBLIC: 537 (ACRES) 21% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: FOX RIDGE STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	43.2	73.1	116.3
NOT PASTURED	17.5	967.7	985.3
BOTTOMLAND FOREST:	?		
PASTURED	5.9	0.0	5.9
NOT PASTURED	0.0	104.7	104.7
SHRUB-OLDFIELD (ACRES):	36.6	IMPROVED PASTURE (ACRES):	
6.2			
CROPS (ACRES):	1292.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 48.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 63

UNIMPROVED ROADS: 1.3 MILES

LIGHT DUTY ROADS: 5.3 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-50

COMMENTS: PARK PROTECTS DEER HABITAT. OUTLOOK GOOD.

COUNTY: COLES

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: OAKLAND

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
SE 1/4 SECT. 21, T14N, R10E MORGAN TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	29.1	21.2	50.4
NOT PASTURED	22.0	422.1	444.1
BOTTOMLAND FOREST:	;		
PASTURED	0.0	4.2	4.2
NOT PASTURED	10.1	58.3	68.4
SHRUB-OLDFIELD (ACRES):	43.7	IMPROVED PASTURE (ACRES):	
38.8			
CROPS (ACRES):	1853.2		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 23.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 14

UNIMPROVED ROADS: 1.0 MILES

LIGHT DUTY ROADS: 8.5 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20+

COMMENTS: ALL PRIVATE. WITHIN 2 MILES OF VILLAGE OF OAKLAND.
OUTLOOK UNCERTAIN.

COUNTY: COLES

AREA: 7

7.5' TOPOGRAPHIC QUADRANGLE: MATTOON AND CHARLESTON SOUTH

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 25, T12N, R8E LAFAYETTE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	26.4	44.0	70.4
NOT PASTURED	5.9	430.0	436.0
BOTTOMLAND FOREST:	;		
PASTURED	0.0	4.2	4.2
NOT PASTURED	20.7	17.3	38.0
SHRUB-OLDFIELD (ACRES):	48.7	IMPROVED PASTURE (ACRES):	
14.3			
CROPS (ACRES):	1939.2		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 23.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 51

UNIMPROVED ROADS: .5 MILES

LIGHT DUTY ROADS: 6.3 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-20

COMMENTS: ALL PRIVATE. FORESTS SCATTERED. OUTLOOK UNCERTAIN.

COUNTY: DOUGLAS

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: ARTHUR

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NE 1/4 SECT. 27, T15N, R7E BOURBON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	35.1	35.1
NOT PASTURED	30.1	189.7	219.8
BOTTOMLAND FOREST:			
PASTURED	5.7	14.8	20.5
NOT PASTURED	14.3	126.7	141.0
SHRUB-OLDFIELD (ACRES):	18.0	IMPROVED PASTURE (ACRES):	
10.6			
CROPS (ACRES):	2036.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 17.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA
NUMBER OF OCCUPIED DWELLINGS: 28
UNIMPROVED ROADS: .4 MILES
LIGHT DUTY ROADS: 6.9 MILES
SECONDARY HIGHWAYS: 0.0 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 5-10

COMMENTS: LIMITED FOREST. ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: DOUGLAS

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: ARTHUR AND ARCOLA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
N 1/2 SECT.27, T14N, R7E BOURBON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE:2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	5.9	44.0	49.9
NOT PASTURED	0.0	126.2	126.2
BOTTOMLAND FOREST:			
PASTURED	22.7	3.2	25.9
NOT PASTURED	4.0	147.5	151.4
SHRUB-OLDFIELD (ACRES):	7.2	IMPROVED PASTURE (ACRES):	
5.9			
CROPS (ACRES):	2164.7		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 14.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 27

UNIMPROVED ROADS: 1.7 MILES

LIGHT DUTY ROADS: 7.6 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. LOCATION OF TOURIST BUSINESS(ROCKHOME GARDENS) BRINGS HIGH HUMAN DENSITY. OUTLOOK UNCERTAIN.

COUNTY: DOUGLAS

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: OAKLAND

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
S 1/2 SECT. 35, T15N, R10E SARGENT TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2046 (ACRES) 80% OF TOTAL 4 SQUARE MILES
PUBLIC: 512 (ACRES) 20% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: WALNUT POINT STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	25.6	128.9	154.5
NOT PASTURED	7.4	353.0	360.4
BOTTOMLAND FOREST:			
PASTURED	2.5	0.0	2.5
NOT PASTURED	3.5	63.5	67.0
SHRUB-OLDFIELD (ACRES):	117.0	IMPROVED PASTURE (ACRES):	
12.6			
CROPS (ACRES):	1844		
% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB:		27.4	

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS:

UNIMPROVED ROADS: 4.1 MILES

LIGHT DUTY ROADS: 13.2 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: PARK PROTECTS HABITAT BUT ATTRACTS HUMANS. OUTLOOK
GOOD IF PARK DEVELOPMENT IS CONTROLLED.

COUNTY: DOUGLAS

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: OAKLAND

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 XSECT. 34, T15N, R10E SARGENT TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	49.9	60.5	110.4
NOT PASTURED	24.7	177.1	201.8
BOTTOMLAND FOREST:	;		
PASTURED	0.0	0.0	0.0
NOT PASTURED	13.3	145.0	158.3
SHRUB-OLDFIELD (ACRES):	39.5	IMPROVED PASTURE (ACRES):	
26.9			
CROPS (ACRES):	1992.8		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 19.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 11

UNIMPROVED ROADS: 2.1 MILES

LIGHT DUTY ROADS: 3.3 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: ALL PRIVATE. LIES WITHIN 1 MILE OF WALNUT POINT STATE PARK AND DEER MOVE IN AND OUT OF AREA. OUTLOOK UNCERTAIN.

COUNTY: EDGAR

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: PARIS NORTH

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NW 1/4 SECT. 5, T15N, R11W EDGAR TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	19.8	53.6	73.4
NOT PASTURED	54.6	325.3	379.9
BOTTOMLAND FOREST:	;		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	24.5	24.5
SHRUB-OLDFIELD (ACRES):	32.4	IMPROVED PASTURE (ACRES):	
18.0			
CROPS (ACRES):	2022.2		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 19.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 33

UNIMPROVED ROADS: 1.3 MILES

LIGHT DUTY ROADS: 11.5 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-25

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN

COUNTY: EDGAR

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: GRANDVIEW

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
W 1/2 SECT. 2, T12N, R13W GRANDVIEW TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	12.1	65.9	78.1
NOT PASTURED	195.9	254.2	450.0
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	150.9	IMPROVED PASTURE (ACRES):	
123.5			
CROPS (ACRES):	1735.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 26.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS:	21
UNIMPROVED ROADS:	2.6 MILES
LIGHT DUTY ROADS:	9.3 MILES
SECONDARY HIGHWAYS:	0.0 MILES
PRIMARY HIGHWAYS:	0.0 MILES
INTERSTATE HIGHWAYS:	0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: ALL PRIVATE. EXTENSIVE FORESTS. OUTLOOK GOOD.

COUNTY: EDGAR

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: PARIS SOUTH

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NW 1/4 SECT. 5, T13N, R11W STRATTON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	51.4	95.1	146.5
NOT PASTURED	47.9	514.0	561.9
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	69.4	IMPROVED PASTURE (ACRES):	
81.3			
CROPS (ACRES):	1679.8		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 30.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS:	52
UNIMPROVED ROADS:	1.1 MILES
LIGHT DUTY ROADS:	5.1 MILES
SECONDARY HIGHWAYS:	1.8 MILES
PRIMARY HIGHWAYS:	2.2 MILES
INTERSTATE HIGHWAYS:	0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: WITHIN 1 MILE OF THE CITY OF PARIS. ALL PRIVATE.
OUTLOOK UNCERTAIN BUT LIKELY URBAN DEVELOPMENT WILL CONTINUE.

COUNTY: EDGAR

AREA: 4

7.5 TOPOGRAPHIC QUADRANGLE: PARIS SOUTH AND SANDFORD

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 22, T13N, R11W ELBRIDGE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	31.9	65.0	96.8
NOT PASTURED	62.5	749.9	812.4
BOTTOMLAND FOREST:	;		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 35.3 IMPROVED PASTURE (ACRES): 49.9

CROPS (ACRES): 1609.2

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 36.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 18

UNIMPROVED ROADS: 1.0 MILES

LIGHT DUTY ROADS: 1.7 MILES

SECONDARY HIGHWAYS: 0.5 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20+

COMMENTS: ALL PRIVATE. EXTENSIVE FORESTS. OUTLOOK GOOD

COUNTY: EDGAR

AREA: 5

7.5 TOPOGRAPHIC QUADRANGLE: SANDFORD

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
N 1/2 SECT. 35, T13N, R11W ELBRIDGE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	30.6	77.3	107.9
NOT PASTURED	104.5	418.2	522.7
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	5.4	5.4
SHRUB-OLDFIELD (ACRES):	99.0	IMPROVED PASTURE (ACRES):	
31.4			
CROPS (ACRES):	1792.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 28.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 40

UNIMPROVED ROADS: 4.5 MILES

LIGHT DUTY ROADS: 4.8 MILES

SECONDARY HIGHWAYS: 1.6 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: ALL PRIVATE. EXTENSIVE FORESTS. OUTLOOK GOOD.

COUNTY: EDGAR

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: ST. BERNICE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
S 1/2 SECT. 36, T15N, R11W BROUILLETTS TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	12.4	44.2	56.6
NOT PASTURED	6.9	516.5	523.4
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	23.7	53.8	77.5
SHRUB-OLDFIELD (ACRES):	46.9	IMPROVED PASTURE (ACRES):	
29.6			
CROPS (ACRES):	1771.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 27.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 20

UNIMPROVED ROADS: 2.4 MILES

LIGHT DUTY ROADS: 7.1 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-25

COMMENTS: ALL PRIVATE. SCATTERED FOREST. OUTLOOK GOOD BECAUSE
AREA IS RURAL AND NOT LIKELY TO BE DEVELOPED.

COUNTY: EDGAR

AREA: 7

7.5' TOPOGRAPHIC QUADRANGLE: GRANDVIEW AND PARIS SOUTH

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 5, T12N, R12W GRANDVIEW TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	15.8	106.0	121.8
NOT PASTURED	48.4	317.4	365.8
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	17.8	17.8
SHRUB-OLDFIELD (ACRES):	126.2	IMPROVED PASTURE (ACRES):	
51.9			
CROPS (ACRES):	1855.7		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 24.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 20

UNIMPROVED ROADS: 0.5 MILES

LIGHT DUTY ROADS: 2.8 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: VERMILION

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: POTOMAC

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
W 1/2 SECT. 23, T21N, R13W BLOUNT TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2200 (ACRES) 86% OF TOTAL 4 SQUARE MILES
PUBLIC: 358 (ACRES) 14% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: MIDDLE FORK F&W STATE AREA

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	65.9	16.5	82.5
NOT PASTURED	176.4	46.7	223.0
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	17.8	5.9	23.7
SHRUB-OLDFIELD (ACRES):	99.5	IMPROVED PASTURE (ACRES):	
39.5			
CROPS (ACRES):	2015.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 16.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 34

UNIMPROVED ROADS: 2.5 MILES

LIGHT DUTY ROADS: 9.9 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: PUBLIC AREA PROTECTS HABITAT. AREA IS HUNTED BY GUN
AND ARCHERS. OUTLOOK GOOD.

COUNTY: VERMILION

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: COLLISON AND DANVILLE NW

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

E 1/2 SECT. 36, T21N, R13W BLOUNT TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2379 (ACRES) 93% OF TOTAL 4 SQUARE MILES

PUBLIC: 179 (ACRES) 7% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: MIDDLE FORK F&W STATE AREA

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	67.7	67.9	135.6
NOT PASTURED	54.8	266.8	321.6
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	14.6	119.1	133.6
SHRUB-OLDFIELD (ACRES):	74.6	IMPROVED PASTURE (ACRES):	
40.0			
CROPS (ACRES):	1787.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 26.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 18

UNIMPROVED ROADS: 2.5 MILES

LIGHT DUTY ROADS: 4.5 MILES

SECONDARY HIGHWAYS: 1.6 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50+

COMMENTS: PUBLIC LANDS SURROUND THIS AREA WITH ADJACENT COUNTY PARKS. OUTLOOK GOOD.

COUNTY: VERMILION

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: DANVILLE NW AND COLLISON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 29, T20N, R12W BLOUNT TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2123 (ACRES) 83% OF TOTAL 4 SQUARE MILES

PUBLIC: 435 (ACRES) 17% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: COUNTY FOREST PRESERVE AND STATE F&W AREA

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	54.1	31.9	86.0
NOT PASTURED	84.7	637.5	722.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	23.2	111.6	134.9

SHRUB-OLDFIELD (ACRES): 154.4 IMPROVED PASTURE (ACRES): 40.8

CROPS (ACRES): 1193.8

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 42.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 28

UNIMPROVED ROADS: 2.9 MILES

LIGHT DUTY ROADS: 7.8 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50+

COMMENTS: ABUNDANT PUBLIC LANDS. OUTLOOK GOOD.

COUNTY: VERMILION

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: DANVILLE NW AND COLLISON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 5, T19N, R12W BLOUNT TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1535 (ACRES) 60% OF TOTAL 4 SQUARE MILES

PUBLIC: 1023 (ACRES) 40% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: COUNTY PARK AND STATE F&W AREA

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
FASTURED	24.9	62.7	87.7
NOT FASTURED	100.8	438.7	539.4

BOTTOMLAND FOREST:

FASTURED	0.0	0.0	0.0
----------	-----	-----	-----

NOT FASTURED	0.0	0.0	0.0
--------------	-----	-----	-----

SHRUB-OLDFIELD (ACRES): 178.3 IMPROVED PASTURE (ACRES): 78.1

CROPS (ACRES): 1213.5

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 31.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 49

UNIMPROVED ROADS: 1.4 MILES

LIGHT DUTY ROADS: 7.3 MILES

SECONDARY HIGHWAYS: 2.4 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50+

COMMENTS: EXTENSIVE PUBLIC OWNERSHIP PROTECTS DEER HABITAT.
OUTLOOK GOOD.

COUNTY: VERMILION

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: DANVILLE SE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 14, T18N, R11W MCKENDREE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1228 (ACRES) 48% OF TOTAL 4 SQUARE MILES

PUBLIC: 1330 (ACRES) 52% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: COUNTY FOREST PRESERVE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	18.5	48.7	67.2
NOT PASTURED	60.5	685.4	745.9
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	32.4	32.4

SHRUB-OLDFIELD (ACRES): 47.9 IMPROVED PASTURE (ACRES): 58.0

CROPS (ACRES): 1484.5

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 34.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 24

UNIMPROVED ROADS: 1.6 MILES

LIGHT DUTY ROADS: 12.2 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-50

COMMENTS: HABITAT PROTECTED BY COUNTY PARK. POACHING HAS BEEN A PROBLEM ON BOTH PUBLIC AND PRIVATE AREAS. OUTLOOK GOOD.

COUNTY: VERMILION

AREA:

7.5' TOPOGRAPHIC QUADRANGLE: DANVILLE SE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 35, T19N, R11W DANVILLE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2072 (ACRES) 81% OF TOTAL 4 SQUARE MILES
 PUBLIC: 486 (ACRES) 19% OF TOTAL 4 SQUARE MILES
 TYPE OF PUBLIC OWNERSHIP: U. OF ILLINOIS

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	27.7	51.1	78.8
NOT PASTURED	160.1	576.3	736.3
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	42.7	51.6	94.4
SHRUB-OLDFIELD (ACRES):	105.5	IMPROVED PASTURE (ACRES):	
44.7			
CROPS (ACRES):	1423.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 39.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 47

UNIMPROVED ROADS: 2.0 MILES

LIGHT DUTY ROADS: 5.5 MILES

SECONDARY HIGHWAYS: .4 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: POACHING HAS BEEN A PROBLEM AS PUBLIC LAND HAS NO
 PERMANENT HUMAN OCCUPATION. OUTLOOK GOOD IF U. OF ILLINOIS KEEPS
 OWNERSHIP.

COUNTY: VERMILION

AREA: 7

7.5 TOPOGRAPHIC QUADRANGLE: OAKWOOD AND DANVILLE SW

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

E 1/2 SECT. 19, T19N, R12W OAKWOOD TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2432 (ACRES) 95% OF TOTAL 4 SQUARE MILES

PUBLIC: 126 (ACRES) 5% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: KICKAPOO STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	54.8	54.8
NOT PASTURED	146.5	445.6	592.1
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	3.0	3.0

SHRUB-OLDFIELD (ACRES): 208.0 IMPROVED PASTURE (ACRES): 0.0

CROPS (ACRES): 1533.9

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 33.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 115

UNIMPROVED ROADS: 2.9 MILES

LIGHT DUTY ROADS: 14.5 MILES

SECONDARY HIGHWAYS: 1.1 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: SOME PUBLIC PROTECTION OF HABITAT. STEEP TOPOGRAPHY LIMITS DEVELOPMENT. AREA WITHIN 5 MILES OF DANVILLE AND HAS MODERATE TO HIGH HUMAN DENSITY. OUTLOOK UNCERTAIN.

COUNTY: VERMILION

AREA: 8

7.5' TOPOGRAPHIC QUADRANGLE: HUMRICK

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

E 1/2 SECT. 2, T17N, R11W MCKENDREE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	53.4	53.8	107.2
NOT PASTURED	118.6	431.5	550.1
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	69.9	69.9
SHRUB-OLDFIELD (ACRES):	79.5	IMPROVED PASTURE (ACRES):	
68.9			
CROPS (ACRES):	1621.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 31.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 23

UNIMPROVED ROADS: .7 MILES

LIGHT DUTY ROADS: 4.3 MILES

SECONDARY HIGHWAYS: 1.4 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: ALL PRIVATE. EXTENSIVE FOREST. WITHIN 1 MILE OF INDIANA. OUTLOOK GOOD.

COUNTY: VERMILION

AREA: 9

7.5' TOPOGRAPHIC QUADRANGLE: OAKWOOD

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 21, T19N, R13W

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	17.5	47.7	65.2
NOT PASTURED	67.7	243.5	311.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	8.2	17.0	25.2
SHRUB-OLDFIELD (ACRES):	102.0	IMPROVED PASTURE (ACRES):	
0.0			
CROPS (ACRES):	1995.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 19.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 53

UNIMPROVED ROADS: 3.3 MILES

LIGHT DUTY ROADS: 13.5 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-20

COMMENTS: ALL PRIVATE. SCATTERED FOREST. OUTLOOK UNCERTAIN.

REGION 7

Only the northern half of Shelby County surveyed for deer concentrations in winter.

COUNTY: SHELBY

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: TOWER HILL

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 36, T12N, R2E RURAL TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	136.8	136.8
NOT PASTURED	41.7	290.2	332.0
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	26.4	26.4
SHRUB-OLDFIELD (ACRES):	61.8	IMPROVED PASTURE (ACRES):	
20.5			
CROPS (ACRES):	1829.5		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 21.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 24

UNIMPROVED ROADS: .7 MILES

LIGHT DUTY ROADS: 8.0 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. SCATTERED FOREST. OUTLOOK UNCERTAIN.

COUNTY: SHELBY

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: SHELBYVILLE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SW 1/4 SECT. 21, T12N, R4E OKAW TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1586 (ACRES) 62% OF TOTAL 4 SQUARE MILES

PUBLIC: 972 (ACRES) 38% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: US CORP OF ENGINEERS

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	29.1	71.6	100.8
NOT PASTURED	116.1	407.8	523.9
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	21.5	21.5
SHRUB-OLDFIELD (ACRES):	71.6	IMPROVED PASTURE (ACRES):	
23.7			
CROPS (ACRES):	1621.8		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 28.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 20

UNIMPROVED ROADS: .9 MILES

LIGHT DUTY ROADS: 10.1 MILES

SECONDARY HIGHWAYS: 1.4 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: FOREST AREA PROTECTED BY PUBLIC OWNERSHIP. OUTLOOK
GOOD UNLESS DEVELOPMENT DESTROYES PUBLIC FORESTS.

COUNTY: SHELBY

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: MIDDLESWORTH AND KIRKSVILLE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 13, T12N, R4E OKAW TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 230 (ACRES) 9% OF TOTAL 4 SQUARE MILES

PUBLIC: 2328 (ACRES) 91% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: EAGLE CREEK STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	16.3	16.3
NOT PASTURED	37.1	311.0	348.0
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 165.7 IMPROVED PASTURE (ACRES):
67.7

CROPS (ACRES): 1002.3

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 20.7

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 7

UNIMPROVED ROADS: 2.3 MILES

LIGHT DUTY ROADS: 4.6 MILES

SECONDARY HIGHWAYS: 5.1 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50+

COMMENTS: NEARLY ALL PUBLIC. OUTLOOK GOOD IF PARK DEVELOPMENT
DOES NOT RESRICT DEER ACCESS TO HABITAT.

COUNTY: SHELBY

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: MIDDLESWORTH

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
S 1/2 SECT. 30, T12N, R5E WINDSOR TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1356 (ACRES) 53% OF TOTAL 4 SQUARE MILES
PUBLIC: 1202 (ACRES) 47% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: WOLF CREEK STATE PARK AND US CORP OF
ENGINEERS

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	16.1	16.1
NOT PASTURED	0.0	507.6	507.6
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	86.0	86.0
SHRUB-OLDFIELD (ACRES):	39.3	IMPROVED PASTURE (ACRES):	
0.0			
CROPS (ACRES):	1587.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 25.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA
NUMBER OF OCCUPIED DWELLINGS: 11
UNIMPROVED ROADS: .8 MILES
LIGHT DUTY ROADS: 3.7 MILES
SECONDARY HIGHWAYS: 0.0 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-50

COMMENTS: PARK PROTECTS DEER HABITAT. OUTLOOK GOOD IF PARK IS
NOT DEVELOPED BEYOND PRESENT CONDITION.

COUNTY: MCLEAN

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: MCLEAN

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 17, T22N, R1E FUNKS GROVE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2498 (ACRES) 98% OF TOTAL 4 SQUARE MILES

PUBLIC : 60 (ACRES) 2% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: U. OF ILLINOIS

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	16.8	351.2	368.0
NOT PASTURED	0.0	592.8	592.8
BOTTOMLAND FOREST:			
PASTURED	0.0	7.9	7.9
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLD FIELD(ACRES): 60 IMPROVED PASTURE: 133.6

CROPS (ACRES): 1376.5

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 40.2

HUMAN PRESENCE ON 4-SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 17

UNIMPROVED ROADS: .8 MILE

LIGHT DUTY ROADS: 8.1 MILES

SECONDARY ROADS: 1.1 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 1.9 MILES

NUMBER OF DEER USING SITE IF KNOWN: 150+

COMMENTS: LARGE FOREST PROTECTED BY FUNK SEED FOUNDATION.
INTERSTATE HIGHWAY SOURCE OF HIGHWAY MORTALITY. MAJOR
CONCENTRATION AREA FOR SW MCLEAN COUNTY

COUNTY: MCLEAN

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: GRIGLEY AND LEXINGTON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
W 1/2 SECT. 4, T25N, R3E MONEY CREEK TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	29.1	257.4	286.5
NOT PASTURED	0.0	133.6	133.6
BOTTOMLAND FOREST:			
PASTURED	0.0	18.8	18.8
NOT PASTURED	0.0	9.6	9.6

SHRUB-OLDFIELD (ACRES): 34.8 IMPROVED PASTURE (ACRES): 285.8

CROPS (ACRES): 1652.2

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 18.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 25

UNIMPROVED ROADS: 2.2 MILES

LIGHT DUTY ROADS: 4.6 MILES

SECONDARY HIGHWAYS: 5.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50-100

COMMENTS: FOREST PROTECTED BY PARKLANDS FOUNDATION, MANAGED BY ILLINOIS STATE UNIV. OUTLOOK GOOD.

COUNTY: NOLEAN

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: HOLDER AND BLOOMINGTON EAST

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

E 1/2 SECT. 28, T23N, R3E OLDTOWN TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	135.6	114.6	250.2
NOT PASTURED	1.7	36.3	38.0
BOTTOMLAND FOREST:			
PASTURED	36.8	45.0	81.8
NOT PASTURED	0.0	31.6	31.6
SHRUB-OLDFIELD (ACRES):	15.1	IMPROVED PASTURE (ACRES):	
245.3			
CROPS (ACRES):	1795.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 16.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 63

UNIMPROVED ROADS: 2.3 MILES

LIGHT DUTY ROADS: 5.1 MILES

SECONDARY HIGHWAYS: 1.3 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. WITHIN 1/2 MILE OF I-74 WHICH WILL INCREASE HIGHWAY MORTALITY. SCATTERED FORESTS WHICH ARE MOSTLY PASTURED. OUTLOOK UNCERTAIN.

COUNTY: MCLEAN

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: HEYWORTH

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
E 1/2 SECT. 27, T22N, R2E RANDOLPH TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	33.6	67.9	101.5
NOT PASTURED	12.1	98.1	110.2
BOTTOMLAND FOREST:			
PASTURED	2.0	4.4	6.4
NOT PASTURED	0.0	78.5	78.5
SHRUB-OLDFIELD (ACRES):	56.6	IMPROVED PASTURE (ACRES):	
237.9			
CROPS (ACRES):	1934.8		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 13.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 53

UNIMPROVED ROADS: .9 MILES

LIGHT DUTY ROADS: 8.8 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-25

COMMENTS: SCATTERED FORESTS. WITHIN 1/2 MILE OF VILLAGE OF HEYWORTH. OUTLOOK UNCERTAIN.

COUNTY: MCLEAN

AREA: 5

7.5 TOPOGRAPHIC QUADRANGLE: EL PASO AND DANVERS SE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 18, T25 , R2E HUDSON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1407 (ACRES) 55% OF TOTAL 4 SQUARE MILES

PUBLIC: 1151 (ACRES) 45% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: EVERGREEN LAKE COUNTY PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	18.3	18.3
NOT PASTURED	0.0	31.4	31.4
BOTTOMLAND FOREST:	;		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	142.0	142.0

SHRUB-OLDFIELD (ACRES): 1499.3 IMPROVED PASTURE (ACRES):
0.0

CROPS (ACRES): 338.4

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 66.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 18

UNIMPROVED ROADS: 2.0 MILES

LIGHT DUTY ROADS: 6.3 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: NEW COUNTY PARK. CONTINUED USE BY DEER DEPENDS ON DEGREE OF DEVELOPMENT ON LANDS AROUND LAKE. SHRUB-OLD FIELD HABITAT SHOULD CONTINUE TO IMPROVE AS DEER HABITAT. OUTLOOK GOOD IF NO DEVELOPMENT.

COUNTY: MCLEAN

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: DANVERS AND MACINAW

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
E 1/2 SECT. 31, T25N, R1W DANVERS TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	132.9	58.3	191.2
NOT PASTURED	81.0	337.2	418.2
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	24.2	24.2
SHRUB-OLDFIELD (ACRES):	8.4	IMPROVED PASTURE (ACRES):	
214.4			
CROPS (ACRES):	1695.2		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 25.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 17

UNIMPROVED ROADS: 1.4 MILES

LIGHT DUTY ROADS: 6.0 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: ALL PRIVATE. AREA IS PART OF EXTENSIVE FOREST. WITHIN
1 1/2 MILES OF I-74 . OUTLOOK GOOD.

COUNTY: MCLEAN

AREA: 7

7.5' TOPOGRAPHIC QUADRANGLE: ARROWSMITH AND HOLDER

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
SE 1/4 SECT. 34, T23N, R4E DAWSON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 895 (ACRES) 35% OF TOTAL 4 SQUARE MILES
PUBLIC: 1663 (ACRES) 65% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: MORaine VIEW STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	13.1	67.9	81.0
NOT PASTURED	7.9	307.0	314.9

BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	6.9	6.9

SHRUB-OLDFIELD (ACRES): 14.3 IMPROVED PASTURE (ACRES):
191.2

CROPS (ACRES): 1775.2

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 16.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 28

UNIMPROVED ROADS: .5 MILES

LIGHT DUTY ROADS: 15.3 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25 +

COMMENTS: HABITAT PROTECTED BY STATE PARK. ARCHERY HUNTING ONLY.
DEER ARE DRIVEN OFF THIS AREA EACH FALL BY SMALL GAME HUNTERS
AND NEED THE PRIVATE FORESTS FOR REFUGE. OUTLOOK GOOD.

COUNTY: STARK

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: WYOMING

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
N 1/2 SECT. 26, T13N, R6E TOULON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	13.8	19.8	33.6
NOT PASTURED	50.9	165.2	216.1
BOTTOMLAND FOREST:	?		
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	4.4	4.4
SHRUB-OLDFIELD (ACRES):	105.0	IMPROVED PASTURE (ACRES):	
89.9			
CROPS (ACRES):	1984.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 14.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 16

UNIMPROVED ROADS: .9 MILES

LIGHT DUTY ROADS: 6.3 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-25

COMMENTS: ALL PRIVATE. AREA WITHIN 1/2 MILE OF CITY OF WYOMING
ALONG SPOON RIVER. OUTLOOK UNCERTAIN.

COUNTY: STARK

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: ELMIRA AND WYOMING

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
W 1/2 SECT. 11, T13N, R6E TOULON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	46.4	46.4
NOT PASTURED	42.7	10.4	53.1
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 1594.0 IMPROVED PASTURE (ACRES):
66.9
CROPS (ACRES): 0.0

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 66.2

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 7

UNIMPROVED ROADS: 6.1 MILES

LIGHT DUTY ROADS: 6.1 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: MOST OF AREA OLD STRIP MINES. DEER HABITAT SHOULD BE
PROTECTED BY THIS LAND USE. OUTLOOK GOOD.

COUNTY: STARK

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: BRADFORD

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SE 1/4 SECT. 29, T14N, R7E OSCEOLA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	74.8	74.8
NOT PASTURED	30.4	300.4	330.7
BOTTOMLAND FOREST:			
PASTURED	0.0	4.7	4.7
NOT PASTURED	0.0	13.3	13.3

SHRUB-OLDFIELD (ACRES): 12.1 IMPROVED PASTURE (ACRES):
69.9
CROPS (ACRES): 2046.6

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 17.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 19

UNIMPROVED ROADS: 1.1 MILES

LIGHT DUTY ROADS: 2.3 MILES

SECONDARY HIGHWAYS: 2.9 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-30

COMMENTS: ALL PRIVATE. FORESTED AREAS SCATTERED SO LIMITED
DEVELOPMENT SHOULD NOT REMOVE ALL DEER HABITAT. OUTLOOK
UNCERTAIN.

COUNTY: STARK

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: ELMIRA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
SE 1/4 SECT. 16, T14N, R6E ELMIRA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	28.4	125.5	153.9
NOT PASTURED	23.5	228.5	251.9
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	37.1	IMPROVED PASTURE (ACRES):	
212.4			
CROPS (ACRES):	1903.6		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 17.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS:	28
UNIMPROVED ROADS:	.9 MILES
LIGHT DUTY ROADS:	11.0 MILES
SECONDARY HIGHWAYS:	0.0 MILES
PRIMARY HIGHWAYS:	0.0 MILES
INTERSTATE HIGHWAYS:	0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: ALL PRIVATE. OUTLOOK UNCERTAIN.

COUNTY: WILL

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: BONFIELD

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
W 1/2 SECT. 28, T32N, R10E CUSTER TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2251 (ACRES) 88% OF TOTAL 4 SQUARE MILES
PUBLIC: 307 (ACRES) 12% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: KANKAKEE RIVER STATE PARK

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	67.7	183.3	251.0
NOT PASTURED	0.0	295.4	295.4
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	65.0	65.0
SHRUB-OLDFIELD (ACRES):	61.0	IMPROVED PASTURE (ACRES):	
68.4			
CROPS (ACRES):	1631.9		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 26.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS:	42
UNIMPROVED ROADS:	3.1 MILES
LIGHT DUTY ROADS:	1.4 MILES
SECONDARY HIGHWAYS:	5.4 MILES
PRIMARY HIGHWAYS:	0.0 MILES
INTERSTATE HIGHWAYS:	0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25-50

COMMENTS: STATE PARK PROTECTS SOME DEER HABITAT. ARCHERY HUNTING ONLY ON STATE PARK. OUTLOOK GOOD.

COUNTY: WILL

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: WILTON CENTER

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SW 1/4 SECT. 10, T33N, R11E WILTON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	22.5	79.0	101.5
NOT PASTURED	10.6	143.3	153.9
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	7.9	IMPROVED PASTURE (ACRES):	
30.4			
CROPS (ACRES):	2264.7		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 10.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 70

UNIMPROVED ROADS: 1.4 MILES

LIGHT DUTY ROADS: 6.0 MILES

SECONDARY HIGHWAYS: .3 MILES

PRIMARY HIGHWAYS: 4.9 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: THIS AREA HAS NO PROTECTION AND HAS A HIGH HUMAN DENSITY. DEER OUTLOOK IS NOT FAVORABLE. DEER LIKELY TO BE EXCLUDED BY LANDUSE CHANGES.

COUNTY: WILL

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: STEGER

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SW 1/4 SECT. 1, T34N, R13E MONEE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2072 (ACRES) 81% OF TOTAL 4 SQUARE MILES

PUBLIC: 486 (ACRES) 19% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: SAUK TRAIL PRESERVE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	1268.3	1268.3
NOT PASTURED	0.0	0.0	0.0
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
64.5			
CROPS (ACRES):	1193.8		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 49.5

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 344

UNIMPROVED ROADS: 5.0 MILES

LIGHT DUTY ROADS: 28.0 MILES

SECONDARY HIGHWAYS: 2.0 MILES

PRIMARY HIGHWAYS: 2.5 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20+

COMMENTS : ALL PRIVATE AREAS WILL BE LOST TO DEER SOON. DEER WILL PROBABLY MOVE NORTH INTO COOK COUNTY AND THE FOREST PRESERVE.

COUNTY: WILL

AREA: 4

7.5 TOPOGRAPHIC QUADRANGLE: STEGER AND FRANKFORT

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
NE 1/4 SECT. 32, T34N, R13E WILL TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1586 (ACRES) 62% OF TOTAL 4 SQUARE MILES
PUBLIC: 972 (ACRES) 38% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: RACCOON GROVE FOREST PRESERVE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	5.4	137.1	142.5
NOT PASTURED	0.0	221.3	221.3
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	20.3	20.3
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
13.6			
CROPS (ACRES):	2115.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 15.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 118

UNIMPROVED ROADS: 1.7 MILES

LIGHT DUTY ROADS: 9.7 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 2.7 MILES

INTERSTATE HIGHWAYS: 1.4 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: FOREST PRESERVE PROTECTS DEER AND SOME HABITAT. DEER WILL SOON LOSE ACCESS TO PRIVATE FORESTS AS HOUSES CONTINUE TO INCREASE. OUTLOOK WILL DEPEND ON AQUISITION OF ADDITIONAL LAND BY FOREST PRESERVE DISTRICT.

COUNTY: WILL

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: STEGER AND FRANKFORT

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NE 1/4 SECT. 32, T34N, R13E WILL TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1586 (ACRES) 62% OF TOTAL 4 SQUARE MILES

PUBLIC: 972 (ACRES) 38% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: RACCOON GROVE FOREST PRESERVE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	5.4	137.1	142.5
NOT PASTURED	0.0	221.3	221.3
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	20.3	20.3
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
13.6			
CROPS (ACRES):	2115.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 15.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 118

UNIMPROVED ROADS: 1.7 MILES

LIGHT DUTY ROADS: 9.7 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 2.7 MILES

INTERSTATE HIGHWAYS: 1.4 MILES

NUMBER OF DEER USING SITE IF KNOWN: 15-20

COMMENTS: FOREST PRESERVE PROTECTS DEER AND SOME HABITAT. DEER WILL SOON LOSE ACCESS TO PRIVATE FORESTS AS HOUSES CONTINUE TO INCREASE. OUTLOOK WILL DEPEND ON AQUISITION OF ADDITIONAL LAND BY FOREST PRESERVE DISTRICT.

COUNTY: WILL

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: DYER

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 27, T34N, R14E CRETE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1867 (ACRES) 73% OF TOTAL 4 SQUARE MILES

PUBLIC: 691 (ACRES) 27% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: PLUM CREEK FOREST PRESERVE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	121.5	268.7	390.3
NOT PASTURED	19.5	26.2	45.7
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	68.7	68.7
SHRUB-OLDFIELD (ACRES):	109.7	IMPROVED PASTURE (ACRES):	
156.1			
CROPS (ACRES):	1414.1		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 24.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 66

UNIMPROVED ROADS: 6.3 MILES

LIGHT DUTY ROADS: 6.5 MILES

SECONDARY HIGHWAYS: 2.7 MILES

PRIMARY HIGHWAYS: 3.2 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: PRESENCE OF FOREST PRESERVE WILL SAVE DEER HABITAT BUT DEER WILL LOSE ACCESS TO PRIVATE LANDS AS LAND USE BECOMES MORE URBAN.

COUNTY: WILL

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: DYER

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 27, T34N, R14E CRETE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1867 (ACRES) 73% OF TOTAL 4 SQUARE MILES

PUBLIC: 691 (ACRES) 27% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: PLUM CREEK FOREST PRESERVE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	121.5	268.7	390.3
NOT PASTURED	19.5	26.2	45.7
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	68.7	68.7
SHRUB-OLDFIELD (ACRES):	109.7	IMPROVED PASTURE (ACRES):	
156.1			
CROPS (ACRES):	1414.1		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 24.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 66

UNIMPROVED ROADS: 6.3 MILES

LIGHT DUTY ROADS: 6.5 MILES

SECONDARY HIGHWAYS: 2.7 MILES

PRIMARY HIGHWAYS: 3.2 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: PRESENCE OF FOREST PRESERVE WILL SAVE DEER HABITAT BUT DEER WILL LOSE ACCESS TO PRIVATE LANDS AS LAND USE BECOMES MORE URBAN.

COUNTY: WILL

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: DYER

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 7, T35N, R15E CRETE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	32.4	313.7	346.0
NOT PASTURED	0.0	320.9	320.9

BOTTOMLAND FOREST:			
PASTURED	0.0	7.2	7.2
NOT PASTURED	0.0	87.2	87.2

SHRUB-OLDFIELD (ACRES): 234.2 IMPROVED PASTURE (ACRES): 51.6

CROPS (ACRES): 1470.9

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 38.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 54

UNIMPROVED ROADS: 2.0 MILES

LIGHT DUTY ROADS: 6.1 MILES

SECONDARY HIGHWAYS: 2.9 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: ALL PRIVATE. IF FORESTS WHICH ARE EXTENSIVE ARE NOT SOON PROTECTED, DEER WILL LOSE ACCESS TO THEN AS URBAN DEVELOPMENT CONTINUES.

COUNTY: WILL

AREA: 7

7.5' TOPOGRAPHIC QUADRANGLE: ESSEX

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
W 1/2 SECT. 33, T32N, R9E REED TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	21.2	21.2
NOT PASTURED	0.0	75.1	75.1
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	966	IMPROVED PASTURE (ACRES):	
17.3			
CROPS (ACRES):	522		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 4.0

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 22
UNIMPROVED ROADS: 2.1 MILES
LIGHT DUTY ROADS: 5.0 MILES
SECONDARY HIGHWAYS: 2.0 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: MUCH OF STRIP MINED AREA NOW PART OF A COOLING LAKE
FOR THE BRAIDWOOD POWER PLANT. OUTLOOK UNCERTAIN.

COUNTY: WILL

AREA: 8

7.5 TOPOGRAPHIC QUADRANGLE: CHANNAHON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

NE 1/4 SECT. 15, T33N, R9E CHANNAHON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1202 (ACRES) 47% OF TOTAL 4 SQUARE MILES
PUBLIC: 1356 (ACRES) 53% OF TOTAL 4 SQUARE MILES

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	66.4	29.6	96.1
NOT PASTURED	0.0	56.6	56.6

BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	82.7	82.7

SHRUB-OLDFIELD (ACRES): 0.0 IMPROVED PASTURE (ACRES): 82.3

CROPS (ACRES): 2035.5

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 9.2

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 40

UNIMPROVED ROADS: 2.8 MILES

LIGHT DUTY ROADS: 10.2 MILES

SECONDARY HIGHWAYS: 4.5 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 7.1 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50+

COMMENTS: PUBLIC AREAS PROTECT HABITAT. DESPLAINES AREA ARCHERY HUNTING; JOLIET ARSENAL PERMIT GUN HUNTING. OUTLOOK GOOD.

COUNTY: WILL

AREA: 9

7.5' TOPOGRAPHIC QUADRANGLE: WILMINGTON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 31, T34N, R10E WILMINGTON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 77 (ACRES) 3% OF TOTAL 4 SQUARE MILES

PUBLIC: 2481 (ACRES) 97% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: JOLIET ARSENAL

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	310.2	310.2
NOT PASTURED	0.0	105.0	105.0
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
138.6			
CROPS (ACRES):	1816.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 16.2

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 29

UNIMPROVED ROADS: 1.3 MILES

LIGHT DUTY ROADS: 9.0 MILES

SECONDARY HIGHWAYS: 4.7 MILES

PRIMARY HIGHWAYS: 2.7 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50+

COMMENTS: HABITAT PROTECTED BY ARSENAL. HUNTING BY PERMIT.
OUTLOOK GOOD

COUNTY: WILL

AREA: 10

7.5' TOPOGRAPHIC QUADRANGLE: CHANNAHON. ELWOOD,
WILMINGTON, SYMERTON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:
SE 1/4 SECT. 36, T34N, R10E JACKSON TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1688 (ACRES) 66% OF TOTAL 4 SQUARE MILES
PUBLIC: 870 (ACRES) 34% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: JOLIET ARSENAL

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	127.0	127.0
NOT PASTURED	0.0	0.0	0.0
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	45.7	45.7
SHRUB-OLDFIELD (ACRES):	15.3	IMPROVED PASTURE (ACRES):	
128.7			
CROPS (ACRES):	1969.6		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 7.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 30
UNIMPROVED ROADS: 0.0 MILES
LIGHT DUTY ROADS: 11.0 MILES
SECONDARY HIGHWAYS: 10.9 MILES
PRIMARY HIGHWAYS: 0.0 MILES
INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50+

COMMENTS: HABITAT PROTECTED. OUTLOOK GOOD.

COUNTY: WILL

AREA: 11

7.5' TOPOGRAPHIC QUADRANGLE: SYMERTON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 8, T33N, R10E FLORENCE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: (ACRES) 0% OF TOTAL 4 SQUARE MILES
PUBLIC: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: JOLIET ARSENAL

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	37.8	813.4	851.2
NOT PASTURED	0.0	331.0	331.0
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
197.8			
CROPS (ACRES):	1134.2		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 46.2

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 139

UNIMPROVED ROADS: 0.0 MILES

LIGHT DUTY ROADS: 12.3 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 2.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50+

COMMENTS: HABITAT PROTECTED. OUTLOOK GOOD.

REGION 3

The following counties were surveyed for wintering sites: Rock Island, Mercer, Henderson, Knox, Warren, Peoria, Putnam, Marshall, Woodford, Tazewell, and Mason. The remaining counties in Region 3 contain abundant forest cover and deer do not move extensively to winter cover.

COUNTY: HENDERSON

AREA: 1

7.5' TOPOGRAPHIC QUADRANGLE: KEITHSBURG

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 1, T12N, R5W BALD BLUFF TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2251 (ACRES) 88% OF TOTAL 4 SQUARE MILES

PUBLIC: 307 (ACRES) 12% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: BIG RIVER STATE FOREST

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	395.7	101.5	497.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
0.0			
CROPS (ACRES):	2062.0		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 19.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 2

UNIMPROVED ROADS: 11.8 MILES

LIGHT DUTY ROADS: 4.5 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: HABITAT PROTECTED BY STATE FOREST. AREA HUNTED BY GUN
AND ARCHERS. OUTLOOK GOOD.

COUNTY: HENDERSON

AREA: 2

7.5' TOPOGRAPHIC QUADRANGLE: KEITHSBURG

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

E 1/2 SECT. 11, T12N,R5W BALD BLUFF TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1100 (ACRES) 43% OF TOTAL 4 SQUARE MILES

PUBLIC: 1458 (ACRES) 57% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: BIG RIVER STATE FOREST

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	3.2	8.4	11.6
NOT PASTURED	480.2	442.1	922.3
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	395.4	395.4
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
40.8			
CROPS (ACRES):	897.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 51.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 40

UNIMPROVED ROADS: 19.3 MILES

LIGHT DUTY ROADS: 6.9 MILES

SECONDARY HIGHWAYS: 2.5 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50 +

COMMENTS: HABITAT PROTECTED. AREA HUNTED BY GUN AND ARCHERS.
OUTLOOK GOOD.

COUNTY: HENDERSON

AREA: 3

7.5' TOPOGRAPHIC QUADRANGLE: KEITHSBURG AND OQUAWKA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 25, T12N, R5W OQUAWKA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 1611 (ACRES) 63% OF TOTAL 4 SQUARE MILES

PUBLIC: 947 (ACRES) 37% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: BIG RIVER STATE FOREST

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	14.6	0.0	14.6
NOT PASTURED	479.4	213.4	692.8
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	775.3	IMPROVED PASTURE (ACRES):	
73.6			
CROPS (ACRES):	1002.6		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 57.9

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 58

UNIMPROVED ROADS: 6.5 MILES

LIGHT DUTY ROADS: 5.0 MILES

SECONDARY HIGHWAYS: 7.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 50+

COMMENTS: HABITAT PROTECTED. OUTLOOK GOOD.

COUNTY: HENDERSON

AREA: 4

7.5' TOPOGRAPHIC QUADRANGLE: OQUAWKA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 30, T11N,R4W ROZETTA TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	41.2	41.2
NOT PASTURED	22.2	1047.3	1069.5
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
115.1			
CROPS (ACRES):	1333.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 43.4

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 11

UNIMPROVED ROADS: .5 MILES

LIGHT DUTY ROADS: 3.9 MILES

SECONDARY HIGHWAYS: 2.6 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: ALL PRIVATE BUT FOREST EXTENSIVE. OUTLOOK GOOD.

COUNTY: HENDERSON

AREA: 5

7.5' TOPOGRAPHIC QUADRANGLE: ROZETTA

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 33, T12N, R4W BALD BLUFF TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	11.4	242.6	253.9
NOT PASTURED	30.9	664.9	695.8
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 70.1 IMPROVED PASTURE (ACRES): 55.8

CROPS (ACRES): 1461.7

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 39.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 9

UNIMPROVED ROADS: 1.7 MILES

LIGHT DUTY ROADS: 3.8 MILES

SECONDARY HIGHWAYS: 2.5 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 20-30

COMMENTS: ALL PRIVATE BUT LOW HUMAN USE OF AREA. OUTLOOK GOOD.

COUNTY: HENDERSON

AREA: 6

7.5' TOPOGRAPHIC QUADRANGLE: GLADSTONE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 27, T10N,R5W GLADSTONE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	52.6	132.6	185.3
NOT PASTURED	0.0	93.1	93.1
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	24.5	IMPROVED PASTURE (ACRES):	
111.4			
CROPS (ACRES):	1553.4		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 11.8

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 11

UNIMPROVED ROADS: 1.2 MILES

LIGHT DUTY ROADS: 7.2 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE BUT HUMAN USE LOW. OUTLOOK GOOD.

COUNTY: HENDERSON

AREA: 7

7.5' TOPOGRAPHIC QUADRANGLE: BURLINGTON AND GLADSTONE

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 8, T9N, R5W STRONGHURST TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	28.2	22.5	50.6
NOT PASTURED	71.4	931.2	1002.6
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0

SHRUB-OLDFIELD (ACRES): 0.0 IMPROVED PASTURE (ACRES): 43.7

CROPS (ACRES): 1366.7

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 41.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 13

UNIMPROVED ROADS: .4 MILES

LIGHT DUTY ROADS: 3.5 MILES

SECONDARY HIGHWAYS: 1.2 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 25+

COMMENTS: ALL PRIVATE BUT EXTENSIVE FORESTS WITH LOW HUMAN USE.
OUTLOOK GOOD.

COUNTY: HENDERSON

AREA: 8

7.5' TOPOGRAPHIC QUADRANGLE: BURLINGTON

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

SW 1/4 SECT. 23, T10N, R6W GLADSTONE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	874.1	874.1
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
0.0			
CROPS (ACRES):	913.7		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 34.1

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 43

UNIMPROVED ROADS: .9 MILES

LIGHT DUTY ROADS: 0.0 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. MOSTLY BOTTOMS SUBJECT TO FLOODS. HUMAN USE FISHING CAMPS. OUTLOOK GOOD AS TO HABITAT PRESERVATION BUT IN SOME YEARS DEER FLOOD OUT OF AREA IN WINTER.

COUNTY: HENDERSON

AREA: 9

7.5 TOPOGRAPHIC QUADRANGLE: STRONGHURST

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

S 1/2 SECT. 4, T8N, R5W TERRE HAUTE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	45.0	171.7	216.6
NOT PASTURED	1.5	348.8	350.2
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	7.2	7.2
SHRUB-OLDFIELD (ACRES):	4.2	IMPROVED PASTURE (ACRES):	
89.2			
CROPS (ACRES):	1886.3		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 22.6

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 6

UNIMPROVED ROADS: .5 MILES

LIGHT DUTY ROADS: 2.1 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. LOW HUMAN DENSITY. FOREST NOT EXTENSIVE.
OUTLOOK UNCERTAIN

COUNTY: HENDERSON

AREA: 10

7.5' TOPOGRAPHIC QUADRANGLE: LOMAX

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

W 1/2 SECT. 24, T8N, R6W TERRE HAUTE TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES

PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES

TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD. (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	176.1	176.1
NOT PASTURED	4.2	980.3	984.5
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	0.0	IMPROVED PASTURE (ACRES):	
116.1			
CROPS (ACRES):	1261.2		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 45.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 11

UNIMPROVED ROADS: 3.3 MILES

LIGHT DUTY ROADS: 2.8 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: 0.0 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. EXTENSIVE FOREST. OUTLOOK GOOD.

COUNTY: HENDERSON

AREA: 11

7.5' TOPOGRAPHIC QUADRANGLE: LOMAX

LEGAL DESCRIPTION FOR CORE AREA OF WINTERING SITE:

N 1/2 SECT. 33, T8N, R6W LOMAX TWP

HABITAT DESCRIPTION FOR 4 SQUARE MILES SURROUNDING CORE AREA

OWNERSHIP: PRIVATE: 2558 (ACRES) 100% OF TOTAL 4 SQUARE MILES
PUBLIC: (ACRES) 0% OF TOTAL 4 SQUARE MILES
TYPE OF PUBLIC OWNERSHIP: NONE

	<50 YEARS OLD (ACRES)	>50 YEARS OLD (ACRES)	TOTAL (ACRES)
UPLAND FOREST:			
PASTURED	0.0	145.0	145.0
NOT PASTURED	0.0	738.8	738.8
BOTTOMLAND FOREST:			
PASTURED	0.0	0.0	0.0
NOT PASTURED	0.0	0.0	0.0
SHRUB-OLDFIELD (ACRES):	70.1	IMPROVED PASTURE (ACRES):	
56.1			
CROPS (ACRES):	1528.7		

% OF 4 SQUARE MILE SAMPLE AREA IN FOREST OR SHRUB: 37.3

HUMAN PRESENCE ON 4 SQUARE MILE SAMPLE AREA INCLUDING CORE AREA

NUMBER OF OCCUPIED DWELLINGS: 11

UNIMPROVED ROADS: 1.4 MILES

LIGHT DUTY ROADS: 8.9 MILES

SECONDARY HIGHWAYS: 0.0 MILES

PRIMARY HIGHWAYS: .3 MILES

INTERSTATE HIGHWAYS: 0.0 MILES

NUMBER OF DEER USING SITE IF KNOWN: 10-15

COMMENTS: ALL PRIVATE. LOW HUMAN DENSITY. EXTENSIVE FOREST.
OUTLOOK GOOD.